IN-DEPTH INSIGHTS FROM
150 MATCHES

2023 CAMPEONATO PLACARD ANDEBOL 1 2024

DETAILED ANALYSIS OF TEAM
PERFORMANCE AND KEY STATISTICS

Lisbon, 2024

Mário Navarro
Data Analyst

Dedicated to all athletes and fellow coaches who inspire daily.

Cover designed by Mário César Navarro.

In God we trust, all others must bring data.
W. EDWARDS DEMING

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INTRO

The **Placard League** has become a leading handball competition, offering high levels of excitement and competition. This ebook provides a detailed analysis of 150 games from the latest season, giving insights into game dynamics, team performance, and key statistics.

Organized by competitive phases and focusing on team performance, this ebook aims to enhance the understanding of coaches, analysts, and handball enthusiasts. By examining meticulously collected data, it highlights trends and insights valuable for both current and future strategic planning.

Each game has been thoroughly analyzed, with content divided into sections covering each competition phase and a collective analysis of the teams. This offers a comprehensive view of the league's competitive landscape.

We hope this ebook becomes a valuable and engaging resource for those interested in the world of handball.

CONTEXT

CAMPEONATO PLACARD ANDEBOL 1

The **Placard League** has become a leading handball competition, offering high levels of excitement and competition. This ebook provides a detailed analysis of 150 games from the latest season, giving insights into game dynamics, team performance, and key statistics.

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ANALYSIS METHODOLOGY

DATA COLLECTION

The matches analyzed in this study were observed through **Andebol TV** provided by the **Portuguese Handball Federation**, a platform offering detailed coverage of Placard League games. Data collection was conducted by the author using the MultiCounter application, enabling accurate recording of match statistics and events.

DATA PROCESSING

Collected data underwent cleaning and preparation using **Excel** and **Python** to ensure consistency and integrity. Excel was used for preliminary calculations, while Python was employed for advanced analysis, including trend modeling. Data visualization was performed using **Tableau**, allowing for the creation of interactive and detailed visualizations to interpret data patterns and trends.

LIMITATIONS

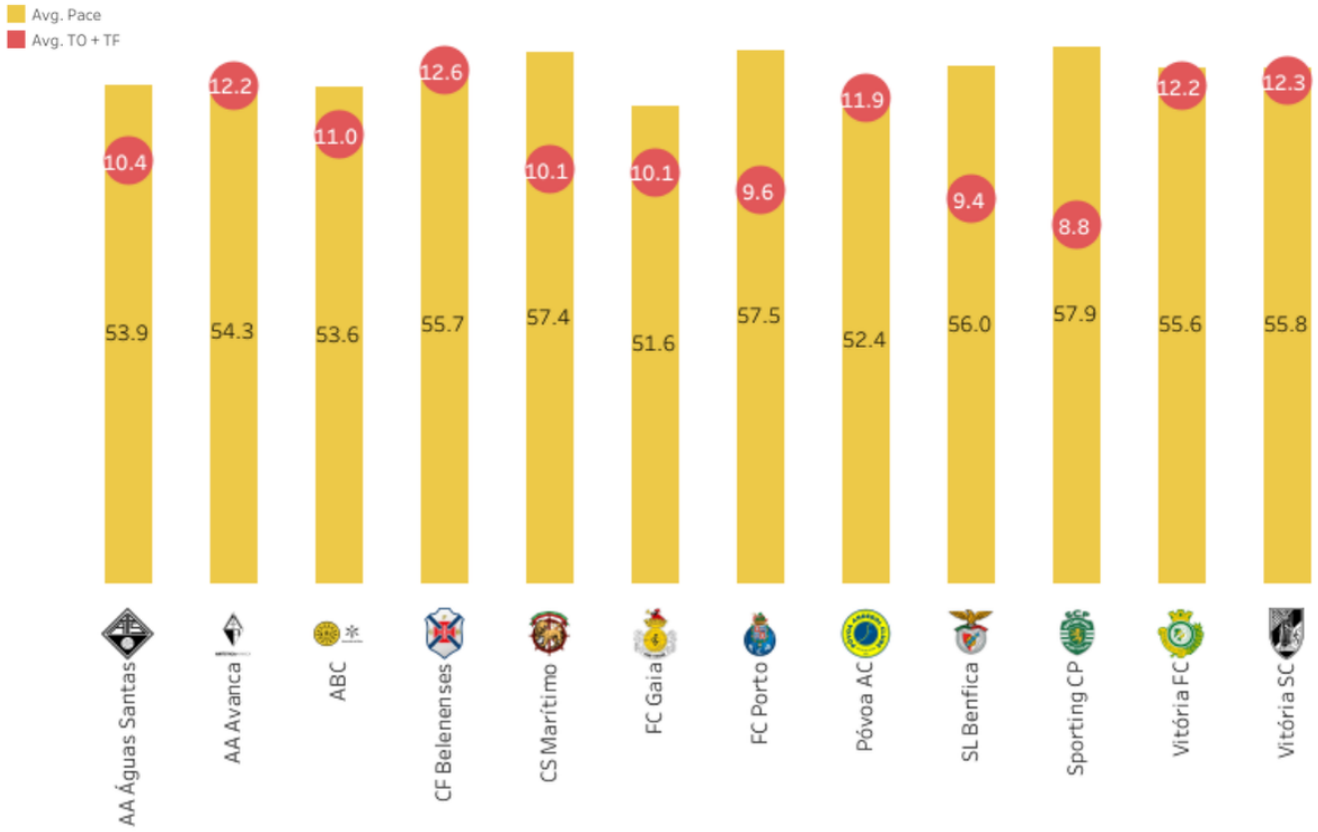
The analysis is based on raw game data, without detailed segmentation by specific match periods, potentially limiting insights into the dynamics throughout the games. Additionally, the focus is on team performance, lacking in-depth individual player analysis, which could restrict understanding of the impact of individual contributions. Finally, data collection and analysis were conducted exclusively by the author, with no external review, which may introduce undetected biases or errors.

OVERALL STATS

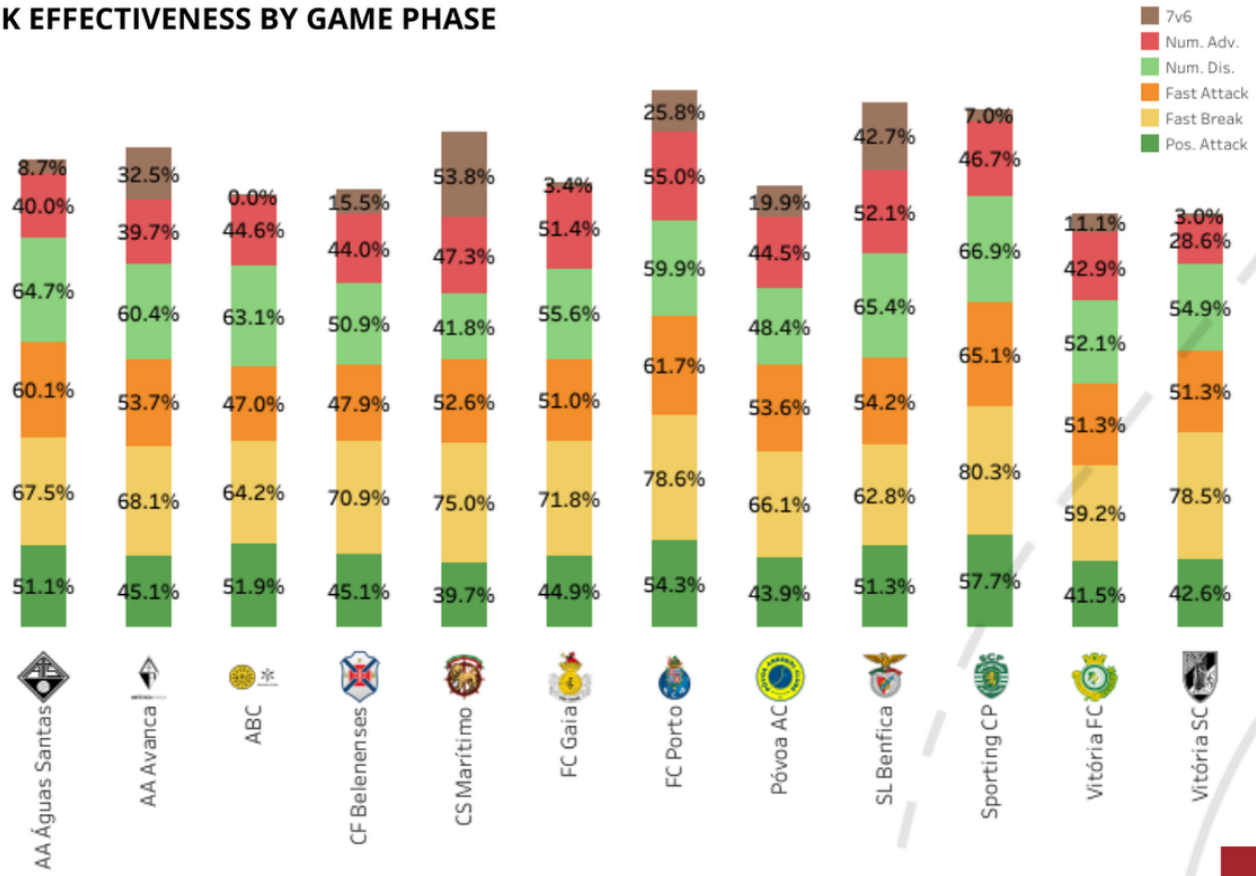
TEAM OFFENSE

CAMPEONATO PLACARD ANDEBOL 1

GAME PACE vs TO & TF



ATTACK EFFECTIVENESS BY GAME PHASE



OVERALL STATS

TEAM OFFENSE

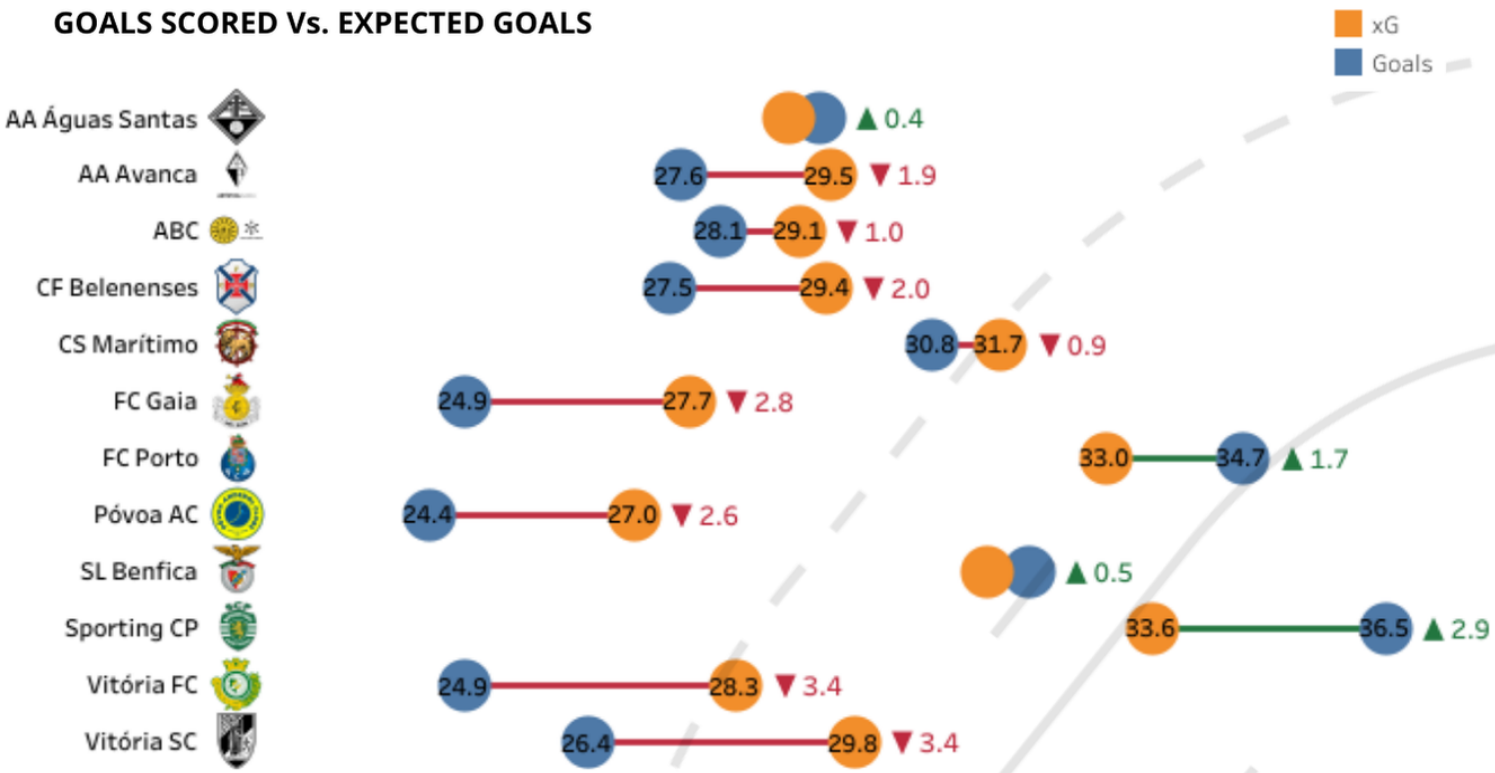
CAMPEONATO PLACARD ANDEBOL 1

SHOT EFFICIENCY

Team	FB G	% FB	6M G	% 6M	Bkt G	% Bkt	Pv G	% Pv	Wing G	% Wing	LShots G	% LShots	7M G	% 7M
AA Águas Santas	48	72.28%	171	54.47%	140	76.40%	101	71.98%	138	62.41%	106	41.41%	92	83.00%
AA Avanca	66	81.70%	136	47.24%	128	74.67%	126	78.30%	126	64.18%	77	39.30%	91	75.14%
ABC	73	75.97%	150	54.42%	137	74.80%	97	79.40%	86	50.29%	113	42.86%	93	74.00%
CF Belenenses	67	76.15%	163	48.29%	104	64.03%	104	72.17%	135	66.65%	88	36.59%	78	73.79%
CS Marítimo	77	85.82%	162	50.13%	115	74.64%	147	75.35%	159	64.03%	92	39.08%	86	75.14%
FC Gaia	46	80.23%	153	48.45%	122	68.86%	71	70.91%	115	59.06%	96	34.91%	68	74.32%
FC Porto	121	86.30%	162	67.42%	120	73.45%	161	79.82%	171	67.05%	108	42.99%	77	72.82%
Póvoa AC	42	73.91%	137	46.61%	124	76.88%	86	67.50%	93	53.21%	106	35.02%	73	75.64%
SL Benfica	69	81.76%	146	55.99%	134	77.67%	117	76.20%	207	65.63%	83	41.90%	100	77.32%
Sporting CP	99	84.01%	238	64.02%	161	77.42%	108	76.34%	137	64.39%	120	49.97%	111	76.75%
Vitória FC	30	71.97%	206	45.16%	120	74.72%	86	67.79%	80	55.24%	72	32.88%	91	72.25%
Vitória SC	69	83.25%	128	42.08%	137	76.49%	104	68.79%	107	53.73%	93	35.54%	79	70.21%

FB - Fastbreak; Bkt - Breakthrought; Pv - Pivot; LShots - Longshots

GOALS SCORED Vs. EXPECTED GOALS

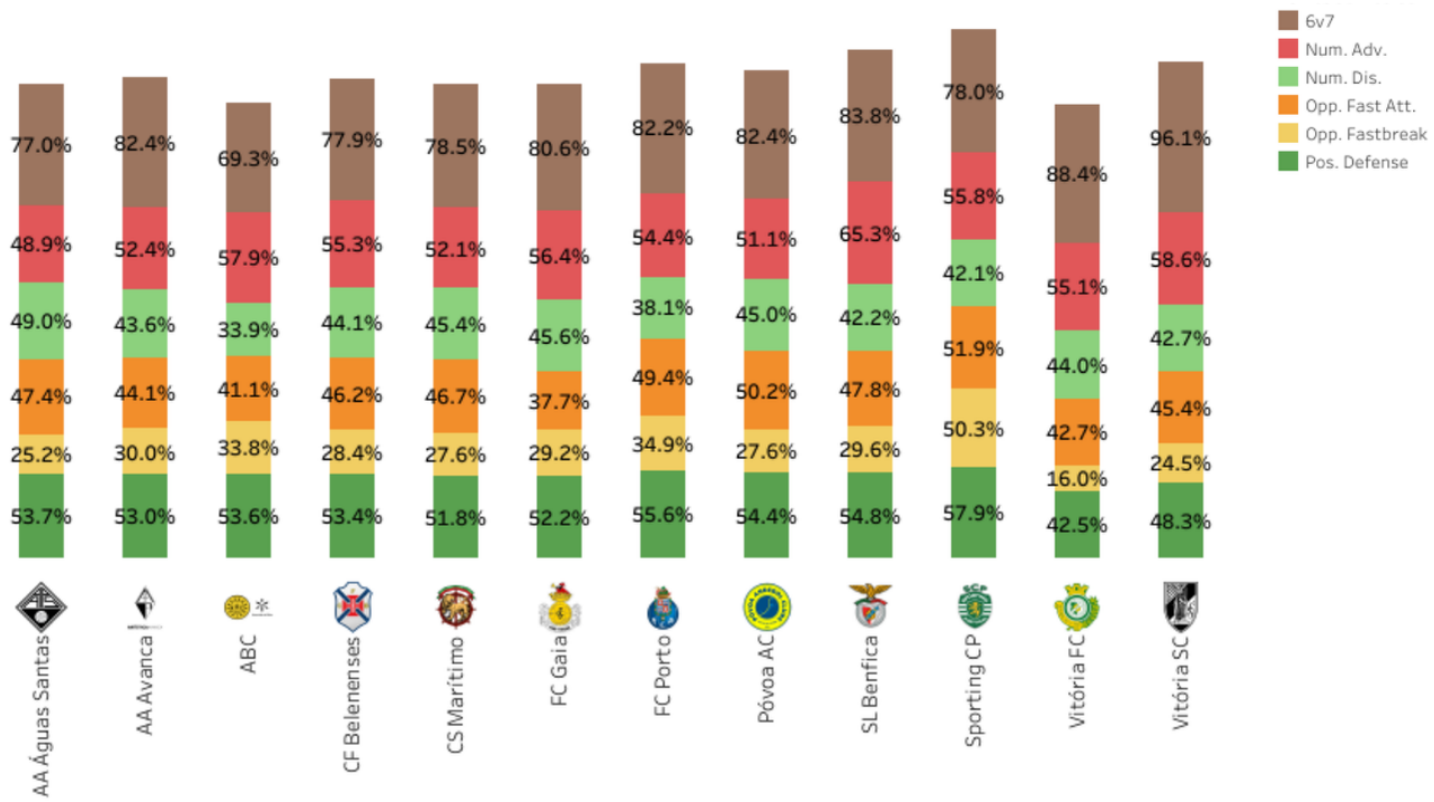


OVERALL STATS

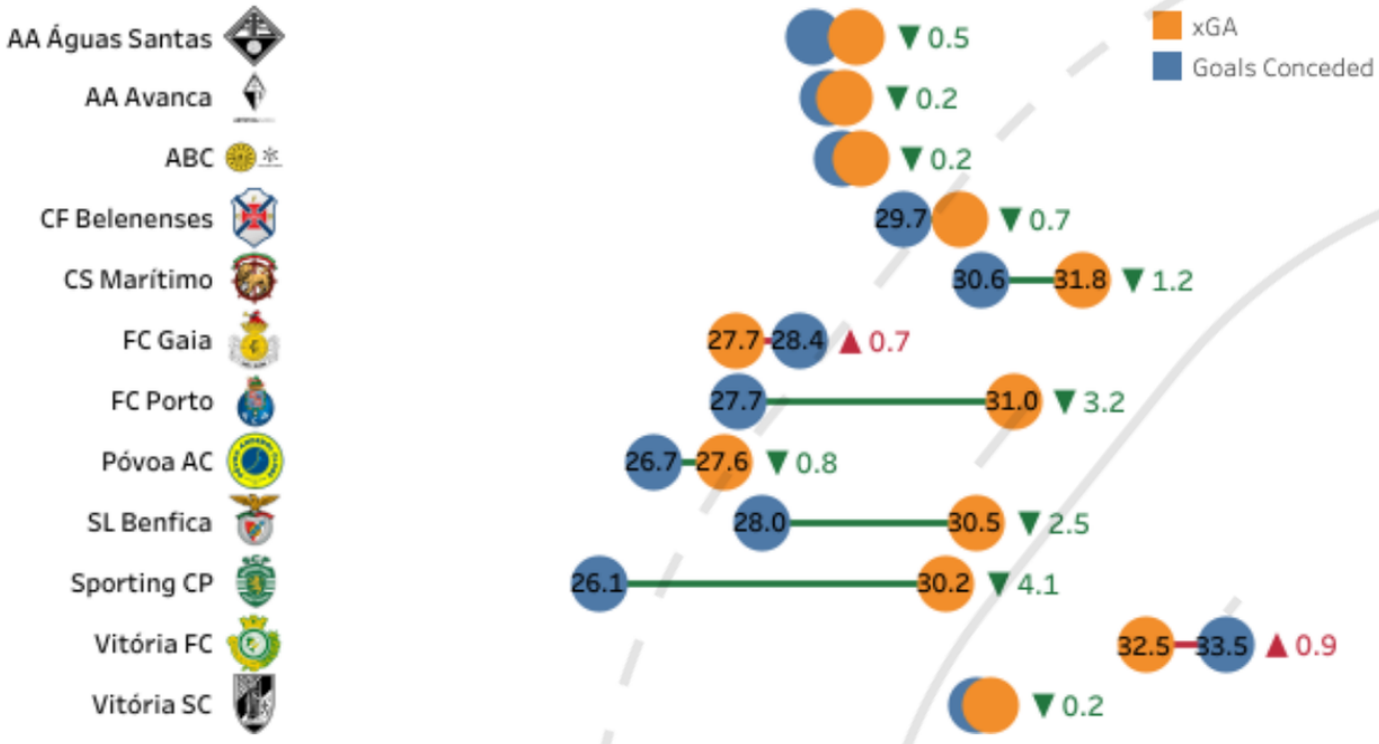
TEAM DEFENSE

CAMPEONATO PLACARD ANDEBOL 1

DEFENSE EFFECTIVENESS BY GAME PHASE



GOALS CONCEDED Vs. EXPECTED GOALS ALLOWED



PRELIMINARY ROUND

RANKING

	Team	MP	Pts	xPoints	Trend	Team Pace	Gen. Attack	Gen. Defense	GS/xG Ratio	GC/xGA Ratio	TTA
1		22	66	61		58	63%	57%	1.08	0.83	8.86
2		22	57	58		58	60%	53%	1.05	0.89	9.68
2		22	57	57		56	58%	53%	1.04	0.89	9.73
4		22	49	47		53	54%	48%	1.00	0.97	11.05
5		22	47	47		53	54%	47%	1.02	0.99	10.73
5		22	47	41		58	53%	46%	0.97	0.97	10.55
7		22	40	39		55	49%	47%	0.92	0.97	12.23
8		22	37	40		51	47%	49%	0.91	0.96	11.73
8		22	37	37		56	47%	45%	0.88	1.01	12.73
10		22	34	35		53	48%	45%	0.90	1.02	10.55
11		22	31	36		55	49%	45%	0.92	1.02	13.45
12		22	26	30		57	45%	40%	0.85	1.03	12.59

Notes:

- In the Placard League, a victory awards 3 points, a draw 2 points, and a loss 1 point.
- In the Placard League, the top four teams compete in the Main Round I for the championship, teams ranked 5th to 8th play for a place in the EHF European League, and teams ranked 9th to 12th fight to avoid relegation.
- For the next stage, teams start the Main Round with 50% of the points earned in the Preliminary Round.

MP - Matches played; Pts - Points; xPoints - Expected Points; GS - Goals Scored; xG - Expected Goals; GC - Goals Conceded; xGA - Expected Goals Allowed; TTA - Technical Turnover Average

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Data Analyst

ÁGUAS SANTAS

PR - ATTACK

GAME PACE
53.36

W	D	L
11	3	8

EFFICENCY		FREQUENCY
52.36%	Positional Attack	58.45%
67.45%	Fastbreak	6.05%
58.59%	Fast Attack	18.00%
66.23%	Numerical Advantage	9.27%
39.00%	Numerical Disavantage	8.36%
0.00%	Seven Against Six	0.00%

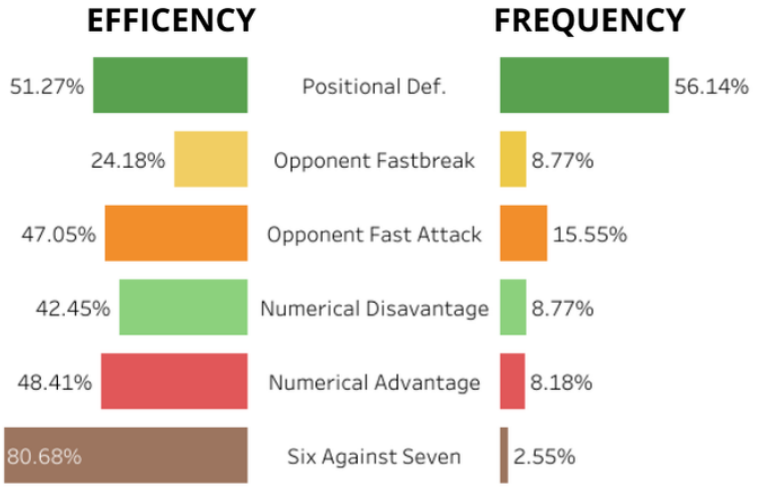
TF	4	[93]
TO	7	[143]

Shots	1,001
Goals Scored	636
xG	626
Shots On Target	847
Shots Off Target	154
Saved Shots	211
Field Eff. (%)	0.616
7M Eff. (%)	0.837
Opp. Gk Eff (%)	0.248
Missed Shots (%)	0.152

- Points earned per game moderately correlate with positional attack effectiveness, with an R2 of 27.35% and a p-value of 0.012513. This suggests that improving positional attack efficiency could positively influence points per game.
- Águas Santas' effectiveness in 9-meter shots from the central area is significantly correlated with overall attack performance, with an R2 of 37.05% and a p-value of 0.002644. This indicates that accuracy in 9-meter shots can significantly contribute to the team's attacking performance.
- Goals scored from the right wing by Águas Santas show a moderate correlation with total goals scored, with an R2 of 27.12% and a p-value of 0.012959. Improving shooting efficiency from the right wing could potentially increase the team's goal-scoring capabilities.

ÁGUAS SANTAS

PR - DEFENSE



Shots Conceded	1,290
Goals Conceded	801
xGA	815
Shots On Target Conc.	1,082
Shots Off Target Conc.	208
GK Saves	281
Gk Eff. (%)	0.260
Opp. Field Eff. (%)	0.605
Opp. 7M Eff. (%)	0.777

- The points earned per game by Águas Santas have a moderate correlation with their defensive performance, with an R2 of 30.22% and a p-value of 0.008042. This indicates that maintaining higher points per game could positively impact their overall defensive effectiveness.
- Goals conceded from the central breakthrough area show a significant correlation with Águas Santas' overall defensive performance, with an R2 of 42.70% and a p-value of 0.000975. This highlights the importance of improving defensive strategies in this critical zone to reduce goals conceded.
- Goals conceded by Águas Santas when in numerical superiority situations show a moderate correlation with their defensive performance, with an R2 of 30.42% and a p-value of 0.007795. This suggests that improving defensive resilience when Águas Santas has numerical advantage could strengthen their defensive capabilities.

A.A. AVANCA

PR - ATTACK

GAME PACE
55.00

W	D	L
3	3	16

EFFICENCY		FREQUENCY
43.59%	Positional Attack	43.73%
66.36%	Fastbreak	7.00%
49.32%	Fast Attack	18.18%
61.45%	Numerical Advantage	10.23%
37.95%	Numerical Disavantage	12.82%
36.00%	Seven Against Six	8.36%

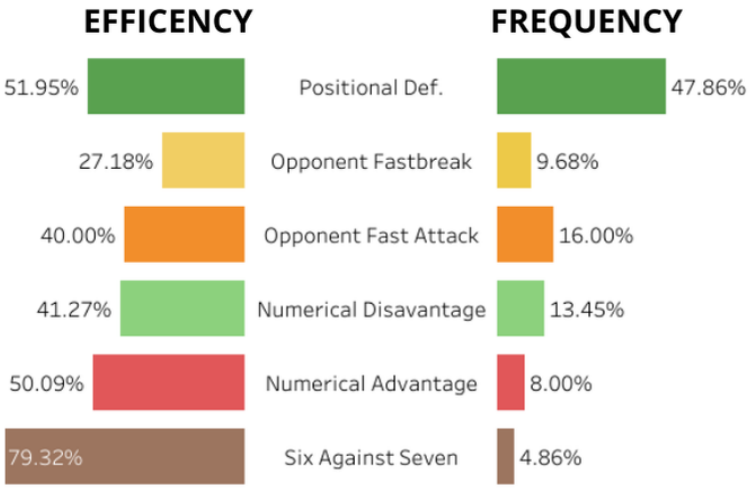
TF	5 [110]	
TO	8 [186]	

Shots	1,005
Goals Scored	594
xG	647
Shots On Target	847
Shots Off Target	158
Saved Shots	253
Field Eff. (%)	0.577
7M Eff. (%)	0.720
Opp. Gk Eff (%)	0.297
Missed Shots (%)	0.156

- Turnovers have a significant impact on Avanca's offensive performance, explaining 43.34% of the variance (R2 = 0.433447, p = 0.000865). Reducing turnovers could enhance their offensive efficiency.
- The points earned per game for Avanca shows a strong correlation with goals scored while in numerical inferiority situations, indicating that their ability to capitalize on such opportunities influences their overall performance (R2 = 51.15%, p = 0.000183).
- Goals scored from the right 6-meter area moderately correlate with Avanca's positional attack effectiveness, with an R2 of 30.14% and a p-value of 0.008140. Strengthening attacks from this specific area could contribute to more successful offensive outcomes.

A.A. AVANCA

PR - DEFENSE



Shots Conceded	1,260
Goals Conceded	806
xGA	811
Shots On Target Conc.	1,097
Shots Off Target Conc.	163
GK Saves	291
Gk Eff. (%)	0.269
Opp. Field Eff. (%)	0.620
Opp. 7M Eff. (%)	0.744

- The frequency of Avanca facing numerical inferiority situations (FrInf) significantly impacts their overall defensive performance (R2 = 49.52%, p = 0.000258). Addressing strategies to reduce such situations could strengthen their defensive stability.
- here is a strong correlation between the number of goals conceded and the fouls committed, with an R2 of 61.24% and a p-value of 0.000017. This suggests that minimizing fouls could lead to fewer goals conceded, enhancing defensive outcomes.
- Points earned per game for Avanca moderately correlate with the number of 2-minute penalties incurred, explaining 48.82% of the variance (R2 = 0.488188, p = 0.000298). Disciplinary improvements could contribute to better defensive performance.

GAME PACE

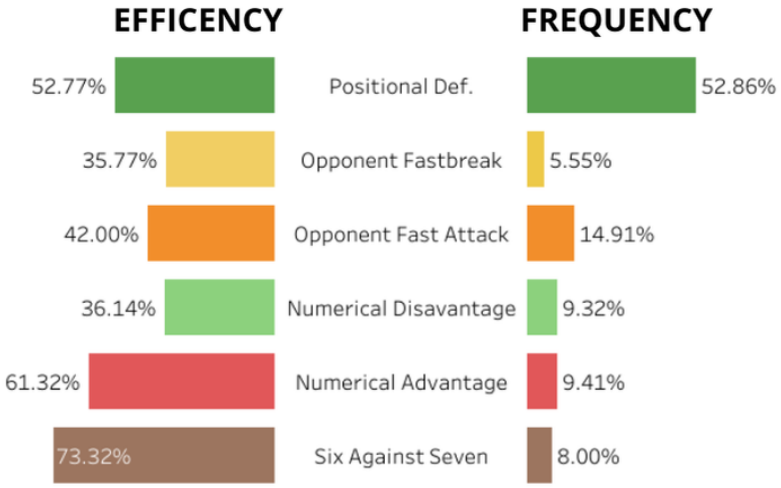
53.45

EFFICENCY		FREQUENCY			
53.95%	Positional Attack	58.45%	TF	4 [91]	
69.50%	Fastbreak	11.14%			
46.73%	Fast Attack	12.82%	TO	7 [152]	
58.68%	Numerical Advantage	9.00%			
42.00%	Numerical Disavantage	8.68%			
0.00%	Seven Against Six	0.00%			

W	D	L
12	3	7

Shots	988
Goals Scored	635
xG	638
Shots On Target	849
Shots Off Target	139
Saved Shots	214
Field Eff. (%)	0.631
7M Eff. (%)	0.770
Opp. Gk Eff (%)	0.250
Missed Shots (%)	0.139

- Points earned per game strongly correlate with ABC's overall attack effectiveness, indicating that their ability to score points directly impacts their game outcomes. This correlation explains 44.36% of the variance (R2 = 0.443626, p = 0.000714).
- Goals scored from the left breakthrough position moderately correlate with ABC's positional attack. Improving effectiveness in this area could enhance their strategic play and goal-scoring opportunities. This relationship is evidenced by an R2 of 31.45% and a p-value of 0.006631.
- Total goals scored strongly correlate with goals from the central breakthrough position. This highlights the importance of central breakthroughs in ABC's offensive strategy and their ability to capitalize on scoring opportunities. The correlation shows an R2 of 53.66% and a p-value of 0.000106.



Shots Conceded	1,276
Goals Conceded	810
xGA	816
Shots On Target Conc.	1,097
Shots Off Target Conc.	179
GK Saves	287
Gk Eff. (%)	0.265
Opp. Field Eff. (%)	0.613
Opp. 7M Eff. (%)	0.797

- The effectiveness of saves by ABC's goalkeepers strongly correlates with their overall defensive performance, indicating that better save efficiency contributes significantly to reducing goals conceded. This correlation is represented by an R2 of 57.29% and a p-value of 0.000046.
- The number of goals conceded by ABC correlates moderately with the fouls committed during matches. This suggests that minimizing fouls could potentially lead to fewer goals against ABC, with an R2 of 38.81% and a p-value of 0.001954.
- ABC's positional defense effectiveness, particularly against goals conceded from the left wing, shows a significant correlation. Improving defensive strategies against attacks from this area could bolster ABC's overall defensive stability, with an R2 of 34.23% and a p-value of 0.004234.

C.F. OS BELENENSES

PR - ATTACK

GAME PACE
55.36

W	D	L
8	2	12

EFFICENCY		FREQUENCY
45.14%	Positional Attack	65.09%
66.91%	Fastbreak	7.77%
49.50%	Fast Attack	10.27%
53.18%	Numerical Advantage	8.91%
38.18%	Numerical Disavantage	8.05%
4.55%	Seven Against Six	0.09%

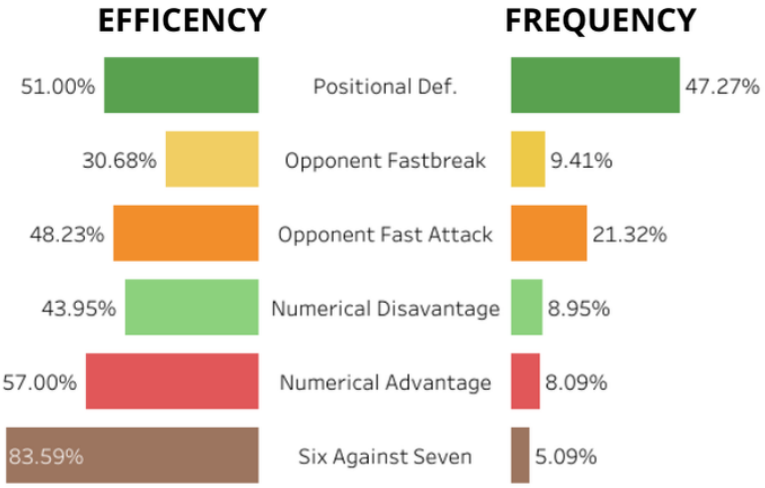
TF	4	[81]
TO	9	[188]

Shots	1,021
Goals Scored	594
xG	644
Shots On Target	833
Shots Off Target	188
Saved Shots	239
Field Eff. (%)	0.570
7M Eff. (%)	0.706
Opp. Gk Eff (%)	0.289
Missed Shots (%)	0.182

- The number of points earned per game by Belenenses shows a moderate correlation with the number of turnovers committed. This suggests that reducing turnovers could lead to better performance outcomes, with an R2 of 34.18% and a p-value of 0.004268.
- Belenenses' overall attack efficiency strongly correlates with their positional attack effectiveness. This indicates that success in structured positional plays contributes significantly to their overall attacking capabilities, evidenced by a high R2 of 79.94% and a p-value of 0.000000.
- Goals scored from the 6-meter left side position show a strong correlation with Belenenses' positional attack effectiveness. This highlights the importance of optimizing left-side attacks to enhance their scoring opportunities, with an R2 of 48.35% and a p-value of 0.000327.

C.F. OS BELENENSES

PR - DEFENSE



Shots Conceded	1,345
Goals Conceded	831
xGA	849
Shots On Target Conc.	1,107
Shots Off Target Conc.	238
GK Saves	276
Gk Eff. (%)	0.254
Opp. Field Eff. (%)	0.597
Opp. 7M Eff. (%)	0.763

- The points earned per game by Belenenses show a strong correlation with their overall defensive effectiveness. This implies that better general defensive performance contributes significantly to their game outcomes, with an R2 of 61.83% and a p-value of 0.000014.
- Belenenses' general defense effectiveness is strongly correlated with the opponent's positional attack. This suggests that improving defense against structured positional plays can significantly enhance their overall defensive capabilities, with an R2 of 52.20% and a p-value of 0.000146.
- The number of goals Belenenses concedes is significantly influenced by goals from fast breaks. This indicates that enhancing their defensive strategies against fast breaks could reduce the total goals conceded, with an R2 of 44.89% and a p-value of 0.000647.

C.S. MARÍTIMO

PR - ATTACK

GAME PACE
57.91

EFFICENCY		FREQUENCY
43.36%	Positional Attack	30.77%
74.18%	Fastbreak	7.59%
50.86%	Fast Attack	17.27%
38.32%	Numerical Advantage	7.50%
38.50%	Numerical Disavantage	7.32%
53.86%	Seven Against Six	29.41%

TF	3	[72]
TO	7	[160]

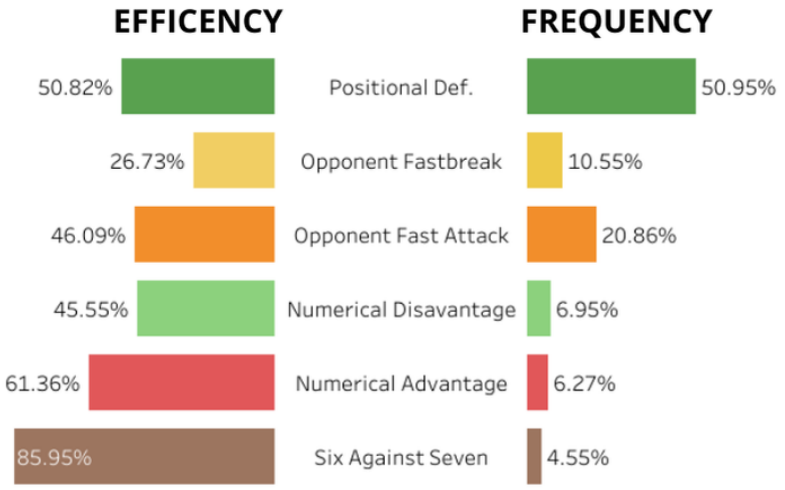
W	D	L
11	3	8

Shots	1,088
Goals Scored	672
xG	694
Shots On Target	909
Shots Off Target	179
Saved Shots	237
Field Eff. (%)	0.612
7M Eff. (%)	0.732
Opp. Gk Eff (%)	0.259
Missed Shots (%)	0.163

- Marítimo's overall attack efficiency is moderately correlated with the number of turnovers. This indicates that reducing turnovers could substantially enhance their general attack effectiveness, with an R2 of 49.98% and a p-value of 0.000234.
- The number of points earned per game by Marítimo shows a moderate correlation with goals scored from 6 meters on the right side. This suggests that success in right-side scoring positions is crucial for their game performance, with an R2 of 36.41% and a p-value of 0.002950.
- Marítimo's positional attack effectiveness is strongly correlated with the frequency of using the 7v6 strategy. This implies that utilizing this strategy more effectively can significantly improve their structured attack outcomes, with an R2 of 54.76% and a p-value of 0.000083.

C.S. MARÍTIMO

PR - DEFENSE



Shots Conceded	1,359
Goals Conceded	856
xGA	890
Shots On Target Conc.	1,175
Shots Off Target Conc.	184
GK Saves	319
Gk Eff. (%)	0.273
Opp. Field Eff. (%)	0.618
Opp. 7M Eff. (%)	0.734

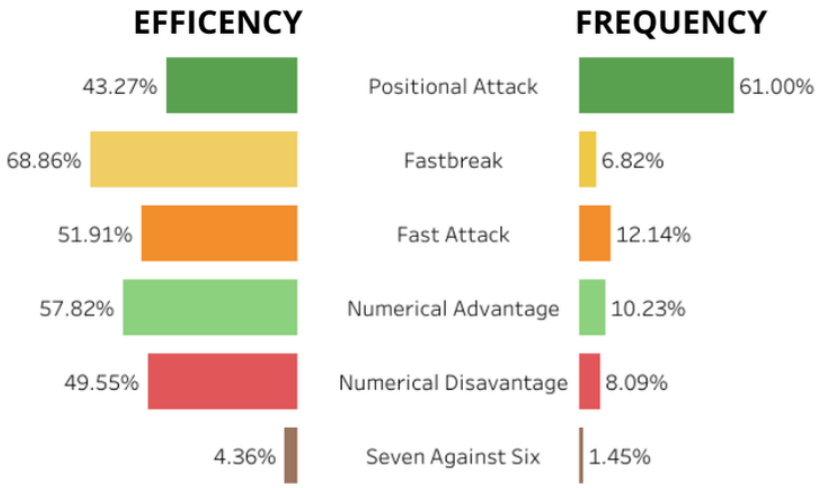
- The points earned per game by Marítimo show a moderate correlation with their overall defensive effectiveness. This suggests that enhancing their general defensive strategies could have a positive impact on their overall performance, with an R2 of 45.73% and a p-value of 0.000550.
- Marítimo's general defensive effectiveness is moderately correlated with goals conceded from the opponent's fast attacks. This indicates that improving defenses against fast attacks could significantly boost their overall defensive strength, with an R2 of 49.85% and a p-value of 0.000241.
- The number of goals Marítimo concedes from fast breaks is strongly correlated with goals conceded without a goalkeeper. This suggests a notable vulnerability when playing without a goalkeeper, indicating the need for enhanced strategies in such situations, with an R2 of 52.39% and a p-value of 0.000140.

F.C. GAIA

PR - ATTACK

GAME PACE
53.18

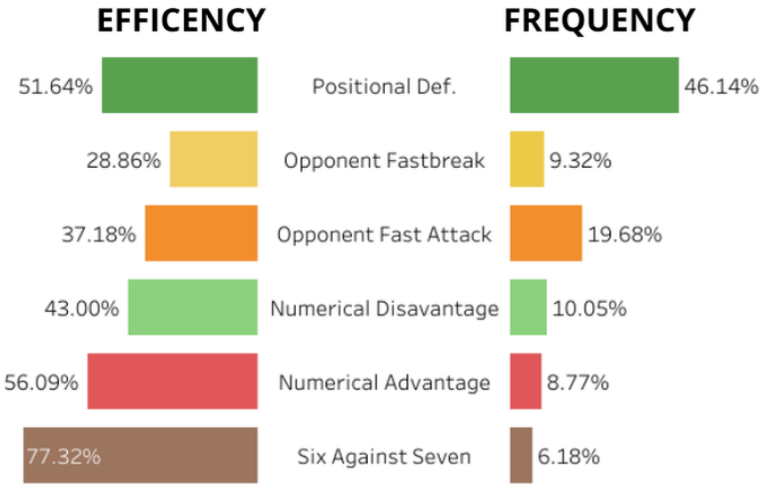
W	D	L
6	0	16



TF	4	[84]
TO	7	[148]

Shots	985
Goals Scored	537
xG	602
Shots On Target	799
Shots Off Target	186
Saved Shots	262
Field Eff. (%)	0.532
7M Eff. (%)	0.796
Opp. Gk Eff (%)	0.324
Missed Shots (%)	0.185

- FC Gaia's points earned per game have a moderate correlation with their positional attack effectiveness. This indicates that improving their structured offensive plays could positively impact their overall game performance, with an R2 of 30.13% and a p-value of 0.008159.
- The overall attack effectiveness for FC Gaia is strongly correlated with their positional attack effectiveness. This implies that enhancing their positional attack strategies can significantly boost their general offensive performance, with an R2 of 52.46% and a p-value of 0.000138.
- The effectiveness of FC Gaia's positional attack shows a strong correlation with goals scored from 9 meters on the left side. This suggests that better performance in left-side long-range shots can enhance their positional attack outcomes, with an R2 of 50.90% and a p-value of 0.000193.



740 [26]

7 [0]

98 [3.5]

4 [0.1]

Shots Conceded	1,204
Goals Conceded	796
xGA	776
Shots On Target Conc.	1,031
Shots Off Target Conc.	173
GK Saves	235
Gk Eff. (%)	0.235
Opp. Field Eff. (%)	0.636
Opp. 7M Eff. (%)	0.839

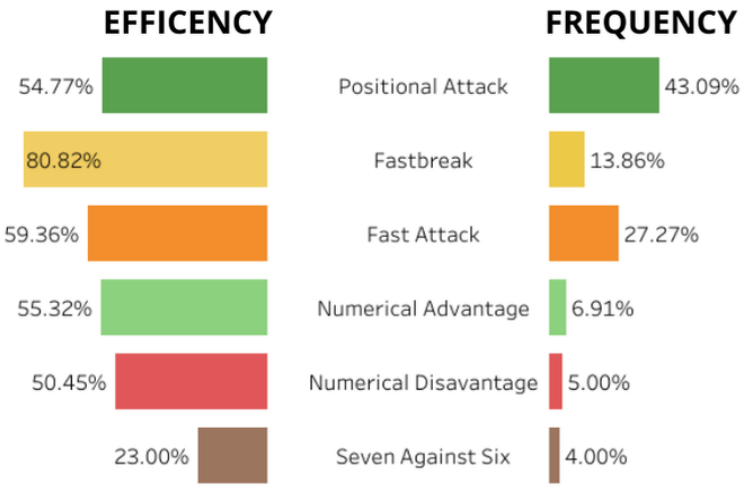
- FC Gaia's points earned per game have a strong correlation with their general defensive effectiveness. This indicates that enhancing their overall defensive strategies can significantly improve their performance in the league, with an R2 of 55.48% and a p-value of 0.000070.
- The general defensive effectiveness for FC Gaia is moderately correlated with the frequency of fast attacks by opponents. This suggests that reducing the opponent's fast attack opportunities could modestly enhance their general defensive outcomes, with an R2 of 31.07% and a p-value of 0.007039.
- The number of goals conceded by FC Gaia is strongly correlated with the opponent's goals scored during fast attacks. This implies that improving their ability to defend against quick offensive plays by the opposition could greatly reduce the goals they concede, with an R2 of 57.28% and a p-value of 0.000046.

F.C. PORTO

PR - ATTACK

GAME PACE
58.09

	W	D	L
	17	1	4

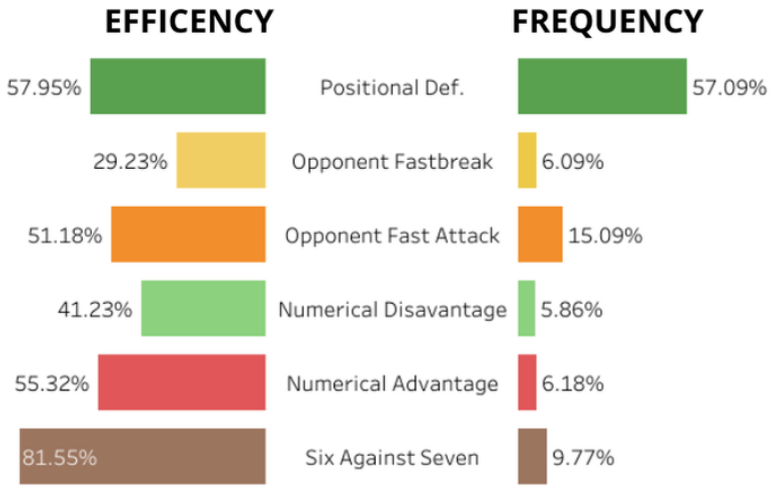


TF	3 [67]	
TO	7 [146]	
Shots		1,104
Goals Scored		772
xG		733
Shots On Target		990
Shots Off Target		114
Saved Shots		218
Field Eff. (%)		0.693
7M Eff. (%)		0.735
Opp. Gk Eff (%)		0.221
Missed Shots (%)		0.103

- FC Porto's points earned per game are notably correlated with the frequency of utilizing the 7v6 tactical situation. This suggests that an effective deployment of 7v6 strategies can significantly enhance their overall performance, with an R2 of 46.23% and a p-value of 0.000499.
- FC Porto's general attacking prowess is strongly linked to their efficiency in positional attacks. This highlights that maintaining or improving their positional play can substantially bolster their attacking success, with an R2 of 59.17% and a p-value of 0.000029.
- There is a moderate correlation between FC Porto's general attack effectiveness and the goals scored during fast breaks. This indicates that refining their ability to capitalize on fast break opportunities could moderately enhance their overall attacking efficiency, with an R2 of 32.65% and a p-value of 0.005468.

F.C. PORTO

PR - DEFENSE



762 [27]

1 [0]

61 [2.2]

2 [0.1]

Shots Conceded	1,374
Goals Conceded	776
xGA	867
Shots On Target Conc.	1,137
Shots Off Target Conc.	237
GK Saves	361
Gk Eff. (%)	0.318
Opp. Field Eff. (%)	0.559
Opp. 7M Eff. (%)	0.720

- FC Porto's overall defensive strength shows a significant correlation with their goalkeepers' save effectiveness. This indicates that improving the quality of saves can notably enhance their general defensive performance, with an R2 of 38.35% and a p-value of 0.002116.
- The number of goals conceded by FC Porto is moderately linked to their defensive recovery efficiency. This suggests that bolstering their defensive recovery could reduce the number of goals they concede, with an R2 of 22.04% and a p-value of 0.027492.
- FC Porto's ability to handle positional attacks by opponents is moderately correlated with the goals they concede in the central area from 6 meters. Enhancing their defensive organization in this critical zone could prevent goals during vital moments, with an R2 of 21.95% and a p-value of 0.027874.

PÓVOA A.C.

PR - ATTACK

GAME PACE
51.27

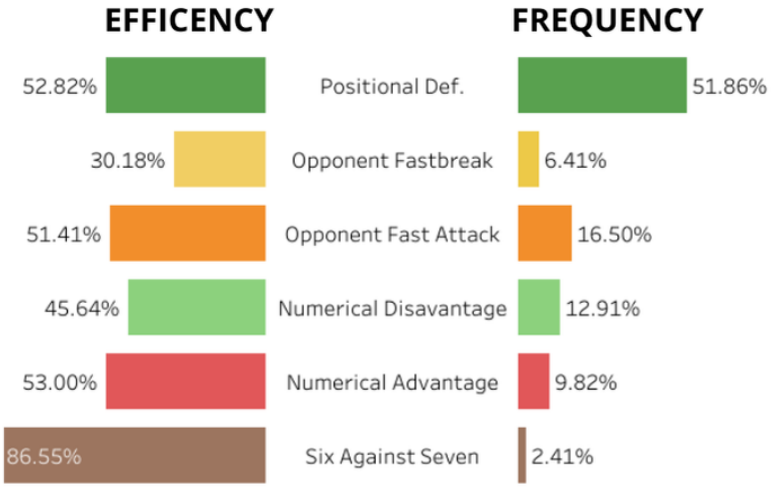
EFFICENCY		FREQUENCY
44.32%	Positional Attack	51.36%
64.73%	Fastbreak	5.32%
54.27%	Fast Attack	18.27%
51.09%	Numerical Advantage	11.36%
42.95%	Numerical Disavantage	10.86%
22.27%	Seven Against Six	2.68%

TF	6	[126]
TO	6	[132]

W	D	L
6	3	13

Shots	946
Goals Scored	530
xG	583
Shots On Target	757
Shots Off Target	189
Saved Shots	227
Field Eff. (%)	0.543
7M Eff. (%)	0.779
Opp. Gk Eff (%)	0.301
Missed Shots (%)	0.197

- Póvoa AC's overall attack effectiveness shows a moderate correlation with the frequency of turnovers. This suggests that reducing the number of turnovers could significantly enhance their offensive performance, with an R2 of 31.44% and a p-value of 0.006633.
- The effectiveness of Póvoa AC's positional attack is moderately correlated with goals scored from the left wing. Improving their ability to capitalize on left-wing opportunities could enhance their positional attacking performance, with an R2 of 25.34% and a p-value of 0.016923.
- Póvoa AC's positional attack efficiency is also moderately linked to their ability to score breakthrough goals on the left side. This implies that focusing on creating and converting breakthrough opportunities on the left could further boost their positional attack effectiveness, with an R2 of 23.67% and a p-value of 0.021679.



762 [27]

1 [0]

123 [4.4]

4 [0.1]

Shots Conceded	1,224
Goals Conceded	748
xGA	772
Shots On Target Conc.	1,032
Shots Off Target Conc.	192
GK Saves	284
Gk Eff. (%)	0.275
Opp. Field Eff. (%)	0.594
Opp. 7M Eff. (%)	0.712

- Póvoa AC's overall defensive effectiveness is strongly correlated with the number of saves made. This indicates that enhancing the goalkeeper's ability to make saves is crucial for improving the team's general defensive performance. This relationship is highlighted by a high R2 of 66.47% and a very significant p-value of 0.000004.
- The general defensive effectiveness of Póvoa AC is also moderately related to their overall performance, measured by points per game. This suggests that better defensive organization and execution can contribute positively to the team's overall success, with an R2 of 51.72% and a p-value of 0.000162.
- The effectiveness of Póvoa AC's positional defense against opponents' attacks shows a modest correlation with goals conceded from the left wing. This implies that improving defense against left-wing attacks could help reduce the number of goals conceded from these positions, with an R2 of 24.30% and a p-value of 0.019745.

S.L. BENFICA

PR - ATTACK

GAME PACE
56.00

W	D	L
16	3	3

EFFICENCY		FREQUENCY
52.82%	Positional Attack	42.59%
65.91%	Fastbreak	9.50%
55.64%	Fast Attack	23.41%
62.77%	Numerical Advantage	5.86%
52.18%	Numerical Disavantage	7.50%
38.55%	Seven Against Six	11.23%

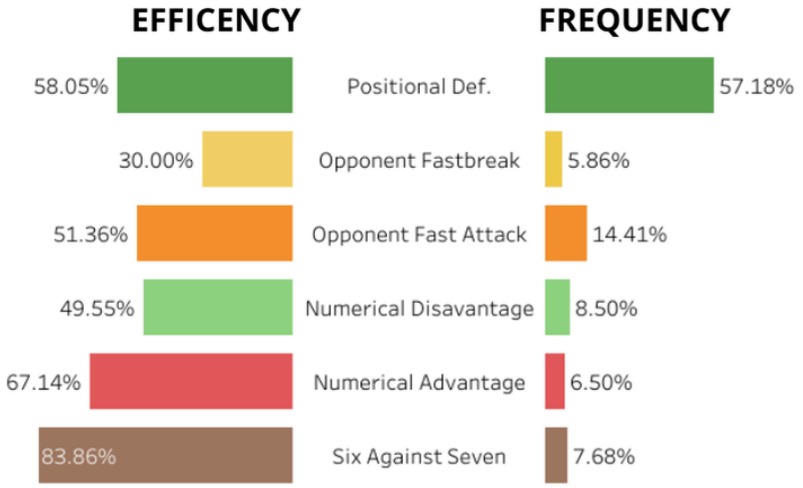
TF	3	[64]
TO	7	[150]

Shots	1,054
Goals Scored	714
xG	689
Shots On Target	931
Shots Off Target	123
Saved Shots	217
Field Eff. (%)	0.660
7M Eff. (%)	0.770
Opp. Gk Eff (%)	0.234
Missed Shots (%)	0.118

- Benfica's general attacking is significantly influenced by their positional attack efficiency. This suggests that a well-coordinated positional attack is critical for enhancing overall offensive performance, with a notable R2 of 50.11% and a p-value of 0.000228. Strengthening positional play could lead to more consistent and effective offensive outcomes.
- Benfica's overall performance in terms of points per game has a moderate correlation with their ability to execute fast breaks. This indicates that effective fast break execution is a significant contributor to the team's success, shown by an R2 of 37.32% and a p-value of 0.002525. Enhancing the efficiency of fast break opportunities could result in better performance outcomes for the team.
- The effectiveness of Benfica's pos. attack is modestly affected by the number of turnovers committed. With an R2 of 20.54% and a p-value of 0.034150, this indicates that reducing TO can improve the efficacy of their positional attacks. Thus, minimizing mistakes during attacks can lead to more sustained pressure and scoring opportunities.

S.L. BENFICA

PR - DEFENSE



Shots Conceded	1,341
Goals Conceded	784
xGA	855
Shots On Target Conc.	1,122
Shots Off Target Conc.	219
GK Saves	338
Gk Eff. (%)	0.306
Opp. Field Eff. (%)	0.570
Opp. 7M Eff. (%)	0.720

- S.L. Benfica's general defensive effectiveness has a strong correlation with their overall performance, measured in points per game. This suggests that robust defensive capabilities are crucial for the team's success, as indicated by an R2 of 52.97% and a p-value of 0.000124. Enhancing general defensive strategies could substantially contribute to improving their performance.
- The effectiveness of Benfica's positional defense shows a moderate correlation with the number of goals conceded from the left central 9-meter zone. With an R2 of 38.21% and a p-value of 0.002171, this implies that refining defensive tactics against attacks from this specific area can help reduce goals conceded.
- Benfica's general defensive effectiveness is significantly influenced by the number of goals conceded from the left wing. This relationship, shown by an R2 of 43.92% and a p-value of 0.000776, highlights that addressing defensive vulnerabilities in this area can strengthen their overall defensive performance.

SPORTING C.P.

PR - ATTACK

GAME PACE
58.41

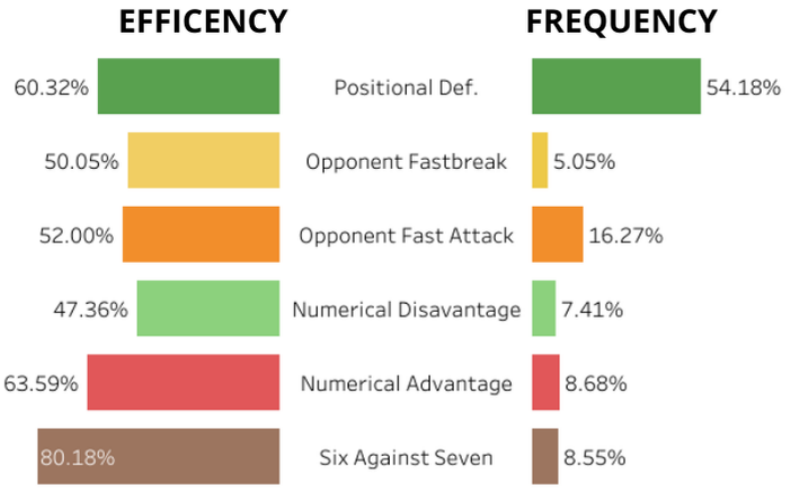
W	D	L
22	0	0

EFFICENCY		FREQUENCY
56.36%	Positional Attack	44.77%
82.45%	Fastbreak	10.64%
64.77%	Fast Attack	28.23%
63.82%	Numerical Advantage	8.27%
48.41%	Numerical Disavantage	7.00%
5.27%	Seven Against Six	0.91%

TF	3	[73]
TO	6	[122]

Shots	1,141
Goals Scored	804
xG	748
Shots On Target	1,002
Shots Off Target	139
Saved Shots	198
Field Eff. (%)	0.699
7M Eff. (%)	0.737
Opp. Gk Eff (%)	0.196
Missed Shots (%)	0.122

- Sporting CP's overall offensive effectiveness shows a strong link to goals from the left wing, with an R2 of 51.88% and a p-value of 0.000157. This indicates that enhancing plays from the left wing could significantly boost their attack.
- There's a notable correlation between the general attack and fast break goals, with an R2 of 31.54% and a p-value of 0.006527. Improving fast break strategies could thus positively impact their overall offensive performance.
- The relationship between fast attack performance and turnovers is significant, with an R2 of 37.99% and a p-value of 0.002250. Reducing turnovers during fast attacks can enhance their fast attack effectiveness.



Shots Conceded	1,381
Goals Conceded	730
xGA	845
Shots On Target Conc.	1,100
Shots Off Target Conc.	281
GK Saves	370
Gk Eff. (%)	0.338
Opp. Field Eff. (%)	0.522
Opp. 7M Eff. (%)	0.694

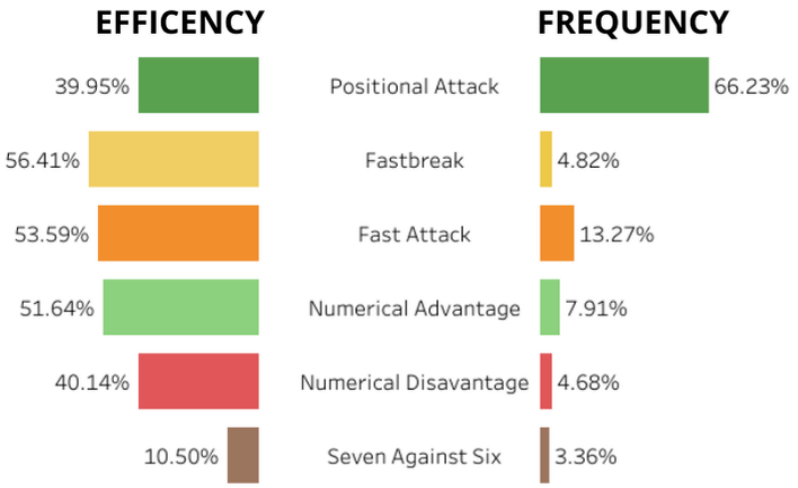
- Sporting CP's general defensive effectiveness is strongly correlated with how they handle the opponent's positional attacks, with an R^2 of 57.92% and a p-value of 0.000039. This suggests that reinforcing defensive strategies against structured attacks could significantly improve their overall defense.
- The relationship between positional defense and goals conceded from central breakthroughs shows a moderate correlation (R^2 = 25.72%, p = 0.016005). Enhancing defensive measures in the central breakthrough area could reduce the number of goals conceded from these situations.
- The effectiveness of Sporting CP's saves has a moderate correlation with goals conceded from the central pivot area (R^2 = 25.25%, p = 0.017159). Improving goalkeeping performance against central pivot shots could bolster their defensive capabilities.

VITÓRIA F.C.

PR - ATTACK

GAME PACE
57.14

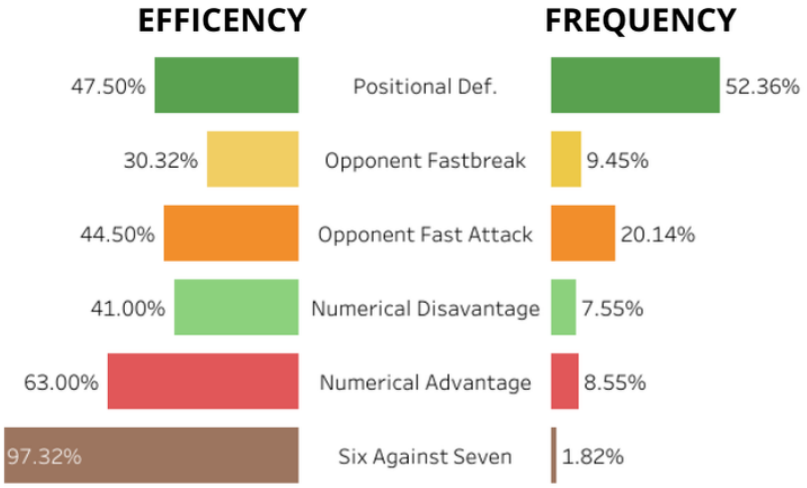
W	D	L
1	2	19



TF	3	[73]
TO	9	[204]

Shots	1,028
Goals Scored	544
xG	627
Shots On Target	825
Shots Off Target	203
Saved Shots	281
Field Eff. (%)	0.499
7M Eff. (%)	0.702
Opp. Gk Eff (%)	0.366
Missed Shots (%)	0.208

- Vitória FC's general attacking effectiveness is strongly associated with their positional attack efficiency, with an R2 of 76.40% and a p-value of 0.000000. Enhancing positional attack could substantially boost overall attacking performance.
- The effectiveness of Vitória FC's positional attacks correlates significantly with the opponent's saves, showing an R^2 of 52.83% and a p-value of 0.000127. This suggests that overcoming opponent's saves is crucial for enhancing their attacking output.
- Goals from the right wing are notably correlated with their overall goal-scoring ability, with an R2 of 41.16% and a p-value of 0.001290. Focusing on right-wing shots can increase scoring potential.



820 [29]

0 [0]

82 [2.9]

5 [0.2]

Shots Conceded	1,356
Goals Conceded	855
xGA	860
Shots On Target Conc.	1,148
Shots Off Target Conc.	208
GK Saves	293
Gk Eff. (%)	0.258
Opp. Field Eff. (%)	0.613
Opp. 7M Eff. (%)	0.782

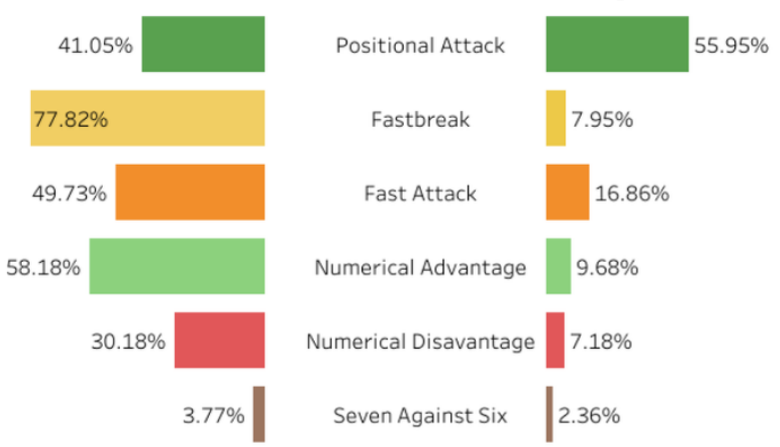
- There is a significant correlation between the number of goals conceded by Vitória FC and goals scored against them from fast breaks, with an R^2 of 55.93% and a p-value of 0.000063. This highlights the vulnerability of Vitória FC's defense to fast-paced counter-attacks.
- The opponent's positional attack effectiveness, specifically goals conceded by Vitória FC in the central area, shows a moderate correlation with an R^2 of 32.26% and a p-value of 0.005828. This suggests that defensive strategies to reinforce the central area could mitigate goals conceded in these critical zones.
- There is a correlation between Vitória FC's general defense and the opponent's positional attack, with an R^2 of 27.96% and a p-value of 0.011399. This implies that improving defensive strategies against opponent's structured attacks could enhance Vitória FC's overall defensive resilience.

VITÓRIA S.C.

PR - ATTACK

GAME PACE
56.27

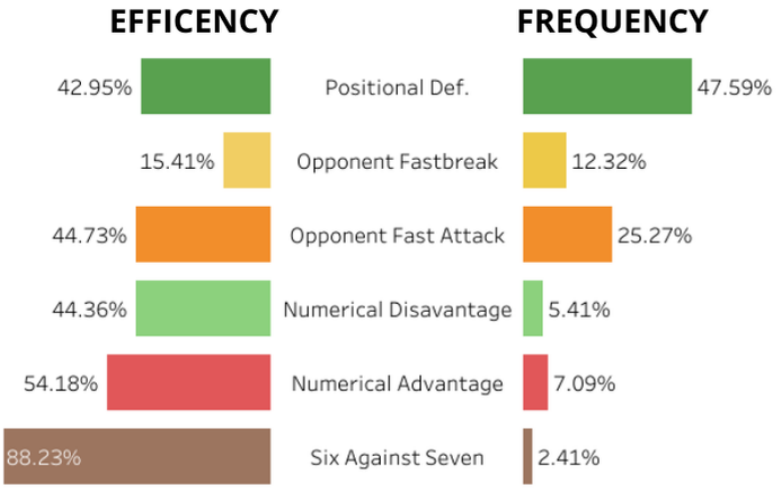
W	D	L
6	3	13



TF	5	[110]
TO	8	[170]

Shots	1,034
Goals Scored	573
xG	660
Shots On Target	833
Shots Off Target	201
Saved Shots	260
Field Eff. (%)	0.549
7M Eff. (%)	0.668
Opp. Gk Eff (%)	0.313
Missed Shots (%)	0.190

- There is a strong correlation between Vitória SC's performance in terms of points gained per game and their effectiveness in positional attacks, with an R^2 of 65.68% and a very low p-value of 0.000005. This indicates that Vitória SC's ability to execute structured attacks significantly influences their overall performance.
- Vitória SC's general attack effectiveness shows a similar strong correlation with their positional attack, with an R^2 of 65.91% and an equally low p-value of 0.000004. This underscores the importance of their structured offensive tactics in achieving successful outcomes.
- The number of breakthrough goals scored by Vitória SC on the left side correlates positively with their positional attack efficiency, with an R^2 of 51.76% and a p-value of 0.000161. This suggests that Vitória SC's ability to penetrate defenses on the left flank is closely tied to their effectiveness in executing structured attacks.



Shots Conceded	1,389
Goals Conceded	937
xGA	911
Shots On Target Conc.	1,187
Shots Off Target Conc.	202
GK Saves	250
Gk Eff. (%)	0.212
Opp. Field Eff. (%)	0.665
Opp. 7M Eff. (%)	0.723

- There is a significant correlation between Vitória SC's general defensive effectiveness and their opposition's positional attack, with an R2 of 39.57% and a p-value of 0.001713. This suggests that improving defensive strategies against structured attacks could enhance overall defensive performance.
- Vitória SC's ability to defend against attacks from the central area within 9 meters shows a notable relationship, with an R2 of 41.70% and a p-value of 0.001170. This indicates that focusing on defending this critical zone could lead to better defensive outcomes during matches.
- The frequency of conceding goals from breakthroughs in the central area is moderately correlated with Vitória SC's defensive performance, with an R2 of 25.13% and a p-value of 0.017468. This highlights the importance of addressing vulnerabilities in central defense to reduce the number of goals conceded.

PRELIMINARY ROUND

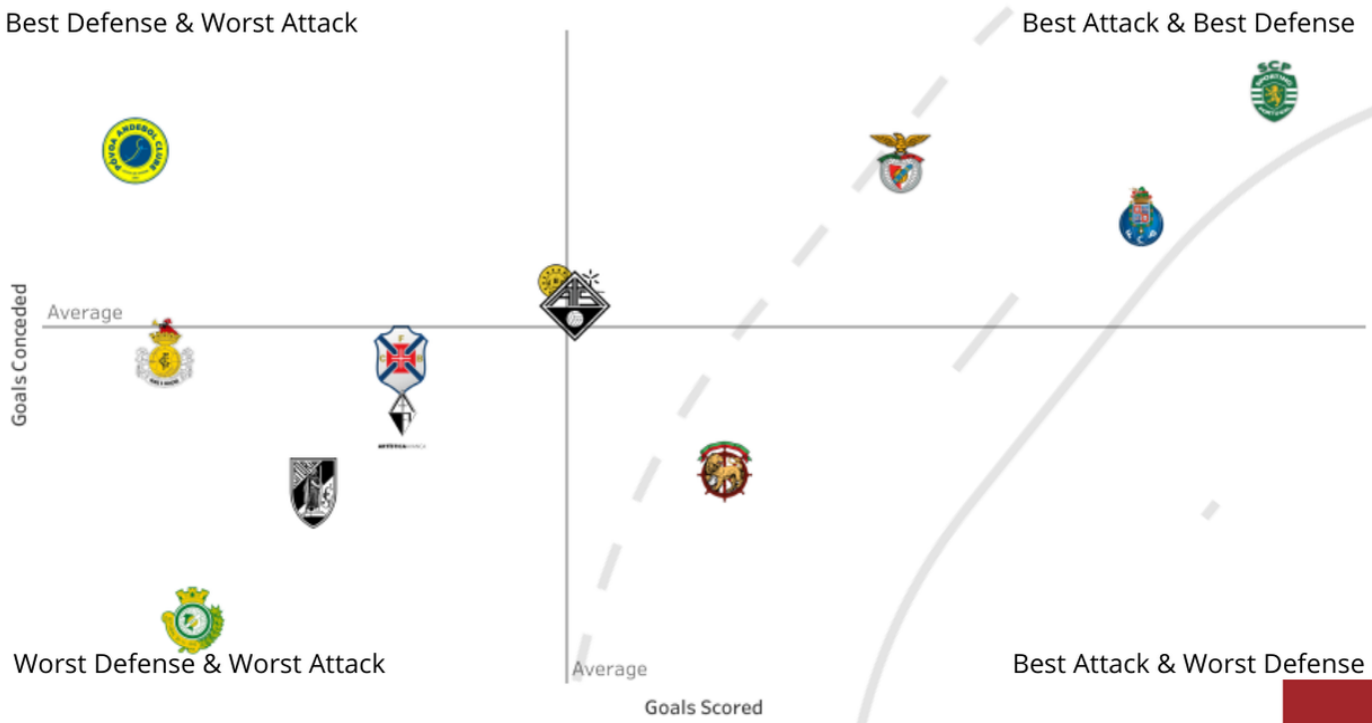
OUTCOMES & GOAL ANALYSIS

CAMPEONATO PLACARD ANDEBOL 1

TREND

	MATCHDAY	PTS
Sporting CP	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	66
FC Porto	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	57
SL Benfica	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	57
ABC	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	49
AA Águas Santas	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	47
CS Marítimo	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	47
CF Belenenses	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	40
Póvoa AC	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	37
Vitória SC	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	37
FC Gaia	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	34
AA Avanca	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	31
Vitória FC	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	26

GOALS SCORED Vs. GOALS CONCEDED



MAIN ROUND I

RANKING

1		6	49	46		56	65%	48%	1.14	0.99	8.50
2		6	45	43		55	60%	46%	1.05	0.95	9.50
2		6	37	39		56	54%	39%	0.95	1.00	8.33
4		6	33	33		54	48%	41%	0.86	1.06	10.83

Notes:

- For the Main Round I, the clubs carried over 50% of the points they earned in the Preliminary Round.
- As in the Preliminary Round, each victory is worth 3 points, a draw 2 points, and a loss 1 point.
- The top-ranked team is crowned the competition winner and secures a spot in the 2024/2025 EHF Champions League.
- The remaining teams secure access to the 2024/2025 EHF European League.

MP - Matches played; Pts - Points; xPoints - Expected Points; GS - Goals Scored; xG - Expected Goals; GC - Goals Conceded; xGA - Expected Goals Allowed; TTA - Technical Turnover Average

Mário Navarro
Data Analyst

SPORTING C.P.

OVERALL ATTACK

GAME PACE
57.89

EFFICENCY		FREQUENCY
57.68%	Positional Attack	46.07%
80.25%	Fastbreak	9.54%
65.07%	Fast Attack	27.68%
66.89%	Numerical Advantage	8.46%
46.68%	Numerical Disavantage	6.75%
7.00%	Seven Against Six	1.36%

TF	3	[93]
TO	5	[153]

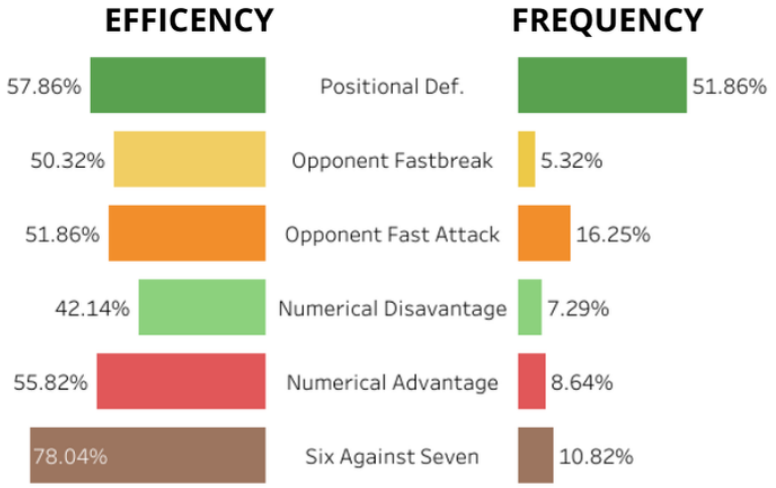
W	D	L
27	0	1

Shots	1,447
Goals Scored	1,022
xG	939
Shots On Target	1,276
Shots Off Target	171
Saved Shots	254
Field Eff. (%)	0.698
7M Eff. (%)	0.768
Opp. Gk Eff (%)	0.198
Missed Shots (%)	0.118

- The effectiveness of fastbreaks significantly influences Sporting CP's overall performance, explaining 52.29% of the variability. This underscores the importance of leveraging quick transitions to secure points and victories. This relationship is highly statistically significant (p-value = 0.000014).
- Fast attack effectiveness substantially affects the team's general attack, accounting for 33.93% of the variability. Effective fast attacks contribute significantly to improving overall offensive performance (p-value = 0.001145).
- Goals conceded through breakthroughs in the central zone influence the positional attack, explaining 20.03% of the variability. Addressing these defensive lapses is crucial for enhancing offensive plays in structured attacks (p-value = 0.016927).

SPORTING C.P.

OVERALL DEFENSE



712 [25]

0 [0]

82 [2.9]

0 [0.0]

Shots Conceded	1,381
Goals Conceded	730
xGA	845
Shots On Target Conc.	1,100
Shots Off Target Conc.	281
GK Saves	370
Gk Eff. (%)	0.338
Opp. Field Eff. (%)	0.522
Opp. 7M Eff. (%)	0.694

- The opponent's positional attack significantly impacts the number of goals Sporting CP concedes, explaining 60.83% of the variability. Effective defense against these structured attacks is crucial for minimizing goals allowed. This relationship is highly statistically significant (p-value = 0.000001).
- Goals scored by opponents from the pivot position in the central zone have a substantial effect on Sporting CP's general defensive performance, accounting for 37.41% of the variability. Strengthening defense against central pivot plays is vital for overall defensive robustness (p-value = 0.000544).
- The frequency of right wing goals influences the number of saves made by Sporting CP's goalkeeper, contributing 23.17% to the variability. Reducing threats from right wing attacks can enhance the goalkeeper's effectiveness and overall defensive performance (p-value = 0.009505).

F.C. PORTO

OVERALL ATTACK

GAME PACE
57.46

EFFICENCY		FREQUENCY
54.32%	Positional Attack	43.54%
78.64%	Fastbreak	12.36%
61.68%	Fast Attack	26.79%
59.89%	Numerical Advantage	7.54%
55.00%	Numerical Disavantage	4.86%
25.79%	Seven Against Six	5.07%

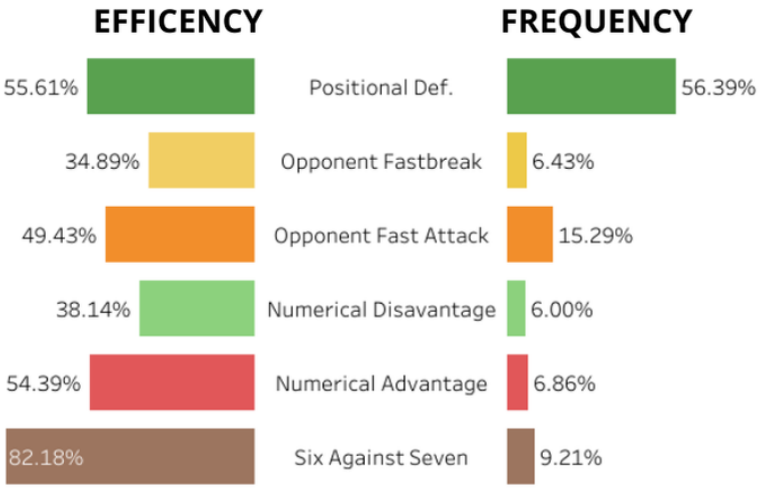
		W	D	L
		22	1	5

TF	3 [84]	
TO	7 [186]	
Shots		1,391
Goals Scored		972
xG		924
Shots On Target		1,243
Shots Off Target		148
Saved Shots		271
Field Eff. (%)		0.693
7M Eff. (%)		0.728
Opp. Gk Eff (%)		0.218
Missed Shots (%)		0.106

- The quantity of fast attacks (FAt_T) contributes 43.31% to the variability in FC Porto's goals scored, emphasizing the effectiveness of rapid offensive transitions (p-value = 0.000141).
- General attack effectiveness explains 33.76% of the variability in FC Porto's overall offensive performance. This highlights the importance of efficient and effective general attacking strategies (p-value = 0.001185).
- Turnovers significantly impact FC Porto's positional attack, explaining 29.26% of the variability. Minimizing turnovers is crucial for maintaining structured offensive plays (p-value = 0.002955).

F.C. PORTO

OVERALL DEFENSE



762 [27]

1 [0]

61 [2.2]

2 [0.1]

Shots Conceded	1,374
Goals Conceded	776
xGA	867
Shots On Target Conc.	1,137
Shots Off Target Conc.	237
GK Saves	361
Gk Eff. (%)	0.318
Opp. Field Eff. (%)	0.559
Opp. 7M Eff. (%)	0.720

- Goals conceded from close-range central attacks (6MR_C_G) explain 32.98% of the variability in FC Porto's overall defensive performance. Addressing vulnerabilities in defending close-range shots is crucial for improving defensive outcomes (p-value = 0.001393).
- The number of saves made significantly impacts FC Porto's general defensive performance, accounting for 34.73% of the variability. Effective goalkeeping plays a critical role in maintaining strong defensive capabilities (p-value = 0.000968).
- Goals conceded from opponent fast attacks contribute 32.59% to the variability in FC Porto's defensive performance. Strengthening defenses against fast breaks is essential for reducing goals allowed (p-value = 0.001510).

S.L. BENFICA

OVERALL ATTACK

GAME PACE
56.04

W	D	L
17	3	8

EFFICENCY		FREQUENCY
51.25%	Positional Attack	38.96%
62.75%	Fastbreak	8.61%
54.18%	Fast Attack	21.46%
65.43%	Numerical Advantage	6.11%
52.11%	Numerical Disavantage	8.14%
42.71%	Seven Against Six	16.79%

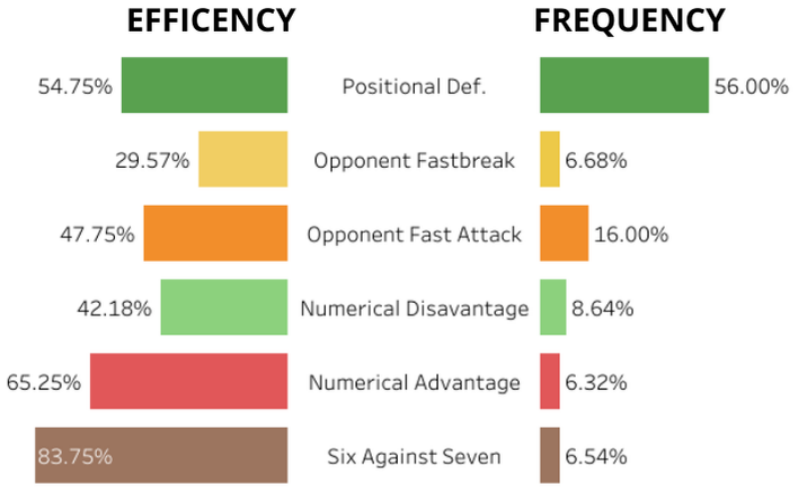
TF	3	[79]
TO	7	[185]

Shots	1,352
Goals Scored	896
xG	881
Shots On Target	1,193
Shots Off Target	159
Saved Shots	297
Field Eff. (%)	0.647
7M Eff. (%)	0.773
Opp. Gk Eff (%)	0.249
Missed Shots (%)	0.119

- The frequency of using the 7 against 6 strategy explains 42.74% of the variability in SL Benfica's overall attack performance. This highlights the tactic's critical role in securing points and victories (p-value = 0.000162).
- The effectiveness of positional attacks contributes 39.20% to the variability in SL Benfica's overall attack performance. This underscores the importance of efficient positional play (p-value = 0.000365).
- The positional attack effectiveness also contributes 37.40% to the variability in goals scored by SL Benfica, highlighting its effectiveness in creating scoring opportunities (p-value = 0.000545).

S.L. BENFICA

OVERALL DEFENSE



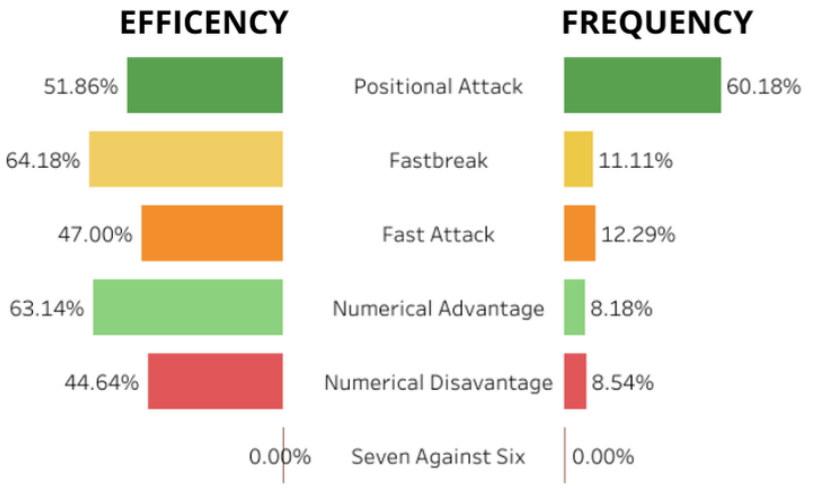
Shots Conceded	1,341
Goals Conceded	784
xGA	855
Shots On Target Conc.	1,122
Shots Off Target Conc.	219
GK Saves	338
Gk Eff. (%)	0.306
Opp. Field Eff. (%)	0.570
Opp. 7M Eff. (%)	0.720

- The frequency of using the 7 against 6 strategy explains 48.25% of the variability in SL Benfica's overall defensive performance, highlighting its strategic importance in defensive solidity (p-value = 0.000041).
- Goals conceded from the 9-meter line in the central zone contribute 37.01% to the variability in SL Benfica's defensive outcomes, underscoring the challenge posed by opponent attacks from this strategic position (p-value = 0.000594).
- Goals conceded from opponent fast breaks account for 46.27% of the variability in goals conceded by SL Benfica, highlighting vulnerabilities in transitions and fast-paced play (p-value = 0.000068).

GAME PACE

53.50

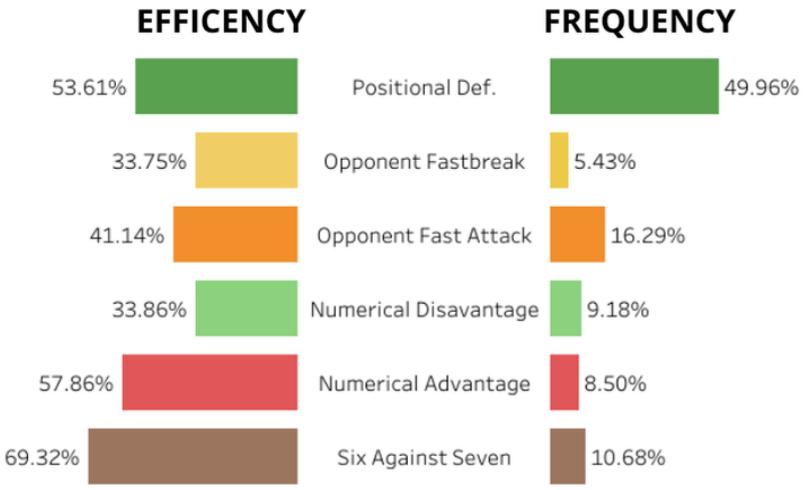
W	D	L
13	3	12



TF	4	[113]
TO	7	[195]

Shots	1,273
Goals Scored	787
xG	815
Shots On Target	1,067
Shots Off Target	206
Saved Shots	280
Field Eff. (%)	0.608
7M Eff. (%)	0.740
Opp. Gk Eff (%)	0.261
Missed Shots (%)	0.160

- The team's overall performance explains 52.65% of the variability in ABC's general attack, emphasizing the critical role of overall team performance in offensive effectiveness (p-value = 0.000012).
- Goals scored from the left breakthrough position contribute 36.58% to the variability in ABC's attacking strategy, emphasizing the importance of effective left-side attacks (p-value = 0.000651).
- Goals scored directly from positional attacks (PosAt_G) explain 29.97% of the variability in ABC's overall goals scored, underlining the effectiveness of positional plays in creating scoring opportunities (p-value = 0.002567).



Shots Conceded	1,276
Goals Conceded	810
xGA	816
Shots On Target Conc.	1,097
Shots Off Target Conc.	179
GK Saves	287
Gk Eff. (%)	0.265
Opp. Field Eff. (%)	0.613
Opp. 7M Eff. (%)	0.797

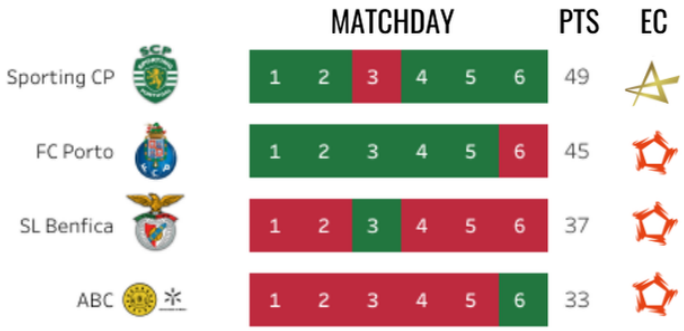
- Goals conceded from the 6-meter line in the central zone explain 25.72% of the variability in ABC's defensive performance, highlighting vulnerabilities in this strategic area (p-value = 0.005880).
- Saves made contribute significantly, explaining 45.49% of the variability in ABC's defensive outcomes, showcasing the role of goalkeeping in minimizing opponent scoring (p-value = 0.000083).
- Goals conceded from opponent positional attacks account for 43.45% of the variability in goals conceded by ABC, emphasizing challenges faced against opponent positional strategies (p-value = 0.000136).

MAIN ROUND I

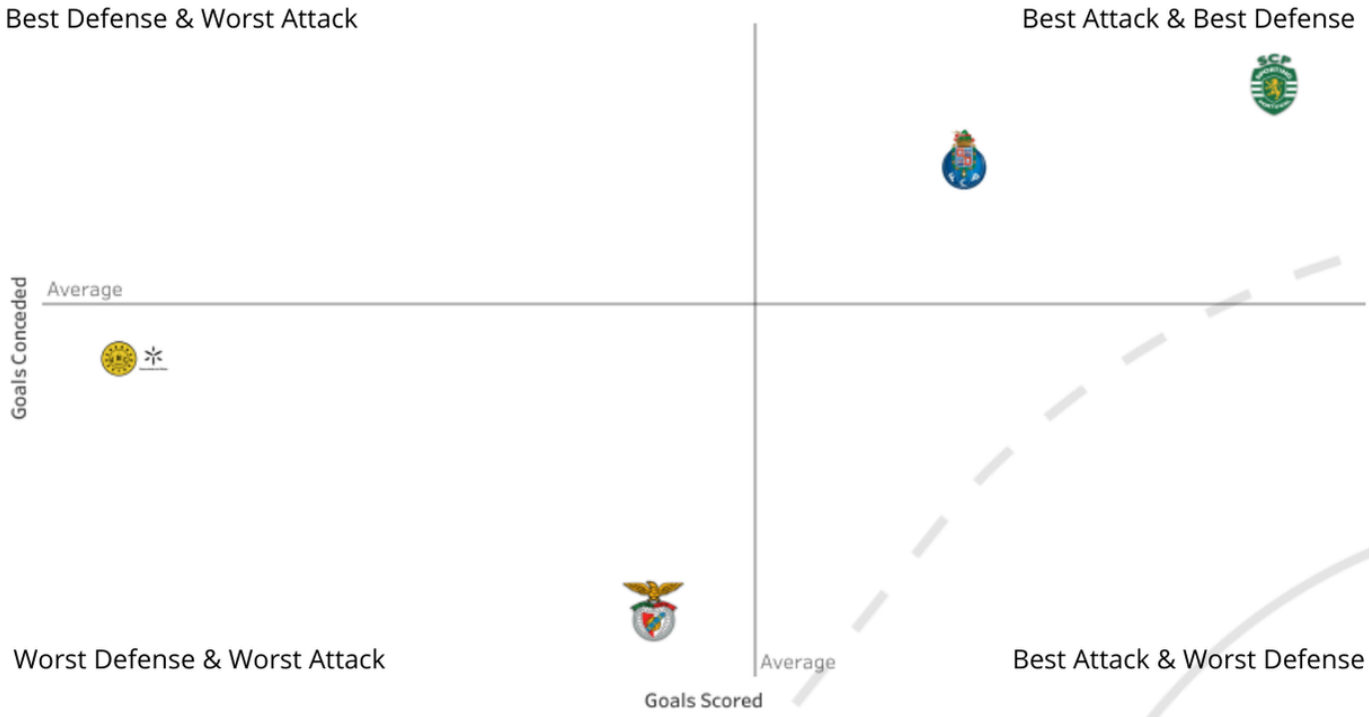
OUTCOMES & GOAL ANALYSIS

CAMPEONATO PLACARD ANDEBOL 1

TREND



GOALS SCORED Vs. GOALS CONCEDED



MAIN ROUND II

RANKING

CAMPEONATO PLACARD ANDEBOL 1

	Team	MP	Pts	xPoints	Trend	Team Pace	Gen. Attack	Gen. Defense	GS/xG Ratio	GC/xGA Ratio	TTA
1		6	39	33		56	57%	48%	0.99	0.92	8.67
1		6	39	37		56	56%	48%	1.00	0.96	9.00
3		6	32	33		57	51%	46%	0.98	0.98	13.83
4		6	25	30		56	46%	49%	0.89	1.00	12.50

Notes:

- For the Main Round II, the clubs carried over 50% of the points they earned in the Preliminary Round.
- As in the Preliminary Round, each victory is worth 3 points, a draw 2 points, and a loss 1 point.
- The top-ranked team secures a spot in the 2024/2025 EHF European League.
- All teams secure a spot in the 2024/2025 Placard League.

MP - Matches played; Pts - Points; xPoints - Expected Points; GS - Goals Scored; xG - Expected Goals; GC - Goals Conceded; xGA - Expected Goals Allowed; TTA - Technical Turnover Average

Mário Navarro
Data Analyst

C.S. MARÍTIMO

OVERAL ATTACK

GAME PACE
57.50

EFFICENCY		FREQUENCY
39.71%	Positional Attack	26.43%
74.96%	Fastbreak	7.61%
52.57%	Fast Attack	16.14%
41.75%	Numerical Advantage	7.25%
47.32%	Numerical Disavantage	7.43%
53.82%	Seven Against Six	35.07%

TF	3	[95]
TO	7	[189]

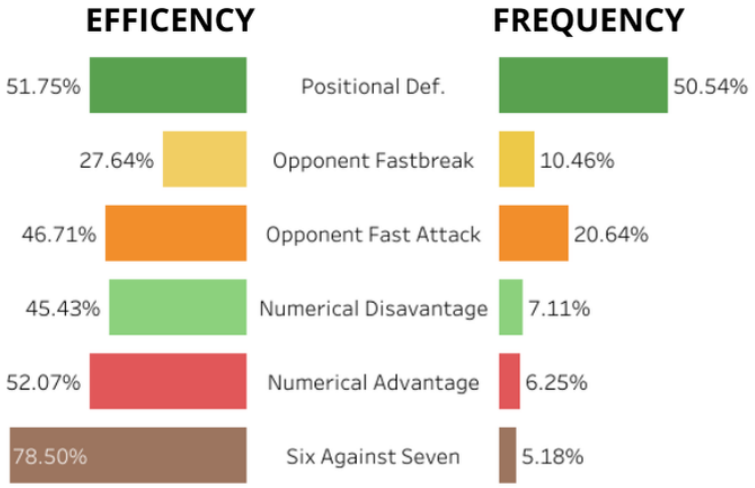
W	D	L
15	4	9

Shots	1,391
Goals Scored	862
xG	886
Shots On Target	1,169
Shots Off Target	222
Saved Shots	307
Field Eff. (%)	0.610
7M Eff. (%)	0.751
Opp. Gk Eff (%)	0.261
Missed Shots (%)	0.158

- Goals from the 7 against 6 strategy contribute significantly, explaining 58.24% of the variability in Maritimo's attacking strategy, emphasizing the strategic advantage of this tactic (p-value = 0.000002).
- Expected goals from left-side breakthroughs explain 29.15% of the variability in Maritimo's use of the 7 against 6 strategy, highlighting the effectiveness of left-side breakthroughs in creating scoring opportunities (p-value = 0.003019).
- Goals from left-side 9-meter line explain 27.08% of the variability in Maritimo's general attack, highlighting their effectiveness in this area (p-value = 0.004530).

C.S. MARÍTIMO

OVERALL DEFENSE



Shots Conceded	1,359
Goals Conceded	856
xGA	890
Shots On Target Conc.	1,175
Shots Off Target Conc.	184
GK Saves	319
Gk Eff. (%)	0.273
Opp. Field Eff. (%)	0.618
Opp. 7M Eff. (%)	0.734

- Points obtained per game explain 45.87% of the variability in Marítimo's defensive outcomes. This metric underscores the team's ability to secure points, which correlates significantly with their defensive solidity (p-value = 0.000075).
- The effectiveness of saves explains 37.63% of the variability in Marítimo's defensive performance. This highlights the critical role of goalkeeping in preventing goals and maintaining defensive resilience (p-value = 0.000518).
- Goals conceded from attacks on the left wing explain 30.45% of the variability in goals conceded by Marítimo. This statistic reflects the team's defensive challenges against left-wing-oriented attacks, indicating areas for defensive improvement (p-value = 0.002334).

ÁGUAS SANTAS

OVERALL ATTACK

GAME PACE
53.82

EFFICENCY		FREQUENCY
51.11%	Positional Attack	56.00%
67.46%	Fastbreak	6.82%
60.14%	Fast Attack	18.32%
64.71%	Numerical Advantage	9.29%
40.00%	Numerical Disavantage	8.18%
8.68%	Seven Against Six	1.61%

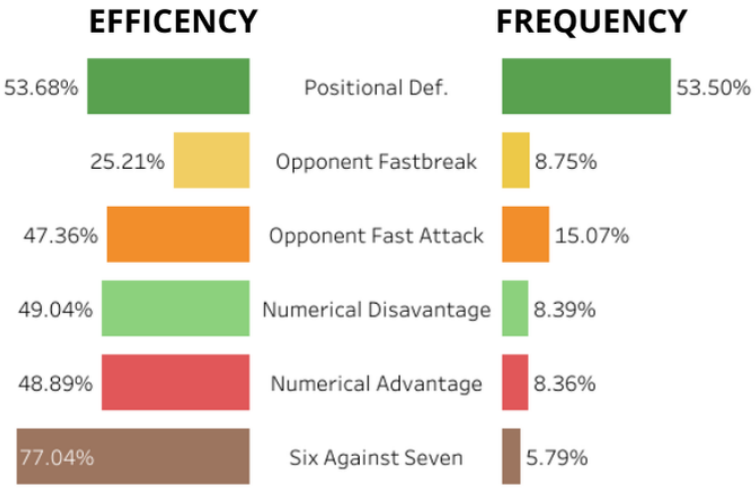
		W	D	L
		15	4	9
TF	4 [120]			
TO	6 [170]			

Shots	1,288
Goals Scored	822
xG	811
Shots On Target	1,093
Shots Off Target	195
Saved Shots	271
Field Eff. (%)	0.619
7M Eff. (%)	0.830
Opp. Gk Eff (%)	0.248
Missed Shots (%)	0.150

- The turnover variable explains 42.52% of the variability in Águas Santas' general attack, indicating turnovers significantly impact their offensive performance (p-value = 0.000170).
- Goals scored from the right wing contribute 29.27% to the variability in Águas Santas' general attack, highlighting the importance of effective right-wing attacks (p-value = 0.002954).
- Goals scored from the 7-meter line explain 25.77% of the variability in Águas Santas' attacking strategy, underscoring the significance of penalty opportunities in their offensive play (p-value = 0.005823).

ÁGUAS SANTAS

OVERALL DEFENSE



Shots Conceded	1,290
Goals Conceded	801
xGA	815
Shots On Target Conc.	1,082
Shots Off Target Conc.	208
GK Saves	281
Gk Eff. (%)	0.260
Opp. Field Eff. (%)	0.605
Opp. 7M Eff. (%)	0.777

- Points obtained per game explain 54.07% of the variability in Águas Santas' defensive outcomes, indicating a strong correlation between points gained and defensive performance (p-value = 0.000008).
- Fouls committed explain 54.25% of the variability in goals conceded by Águas Santas, emphasizing the impact of defensive discipline on minimizing goals against (p-value = 0.000008).
- Retreat actions contribute 37.99% to the variability in Águas Santas' defensive outcomes against opponent fastbreaks, highlighting the defensive strategy's effectiveness in countering fastbreaks (p-value = 0.000478).

C.F. OS BELENENSES

OVERALL ATTACK

GAME PACE
55.68

EFFICENCY		FREQUENCY
45.14%	Positional Attack	63.43%
70.86%	Fastbreak	8.04%
47.93%	Fast Attack	10.25%
50.93%	Numerical Advantage	8.71%
43.96%	Numerical Disavantage	7.82%
15.54%	Seven Against Six	1.79%

TF	4 [106]
TO	9 [246]

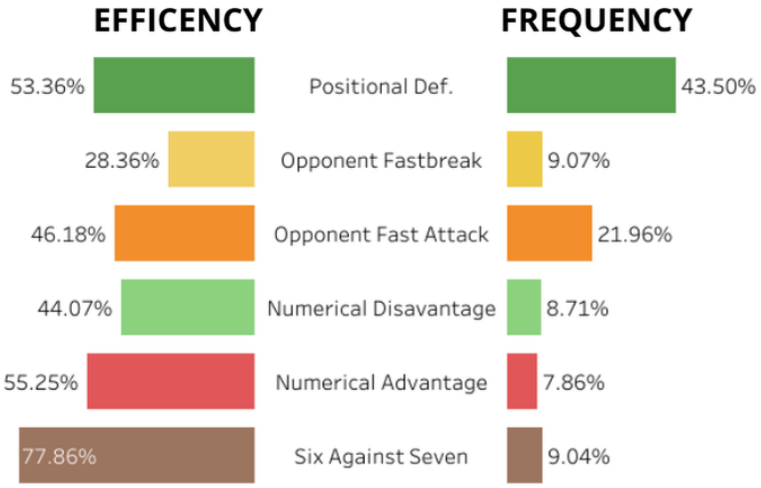
W	D	L
11	2	15

Shots	1,295
Goals Scored	769
xG	824
Shots On Target	1,068
Shots Off Target	227
Saved Shots	299
Field Eff. (%)	0.582
7M Eff. (%)	0.738
Opp. Gk Eff (%)	0.281
Missed Shots (%)	0.172

- Shot efficiency explains 62.03% of the variability in Belenenses' general attack, highlighting the team's effectiveness in converting scoring opportunities into goals (p-value = 0.000001). This metric underscores the importance of efficient shooting in their offensive strategy.
- Goals scored from the 6-meter line contribute 34.34% to the variability in Belenenses' attacking performance, emphasizing their strategy in capitalizing on close-range opportunities (p-value = 0.001049). This statistic reflects the team's ability to create and execute attacks in the central zone.
- Goals scored from the right-side breakthrough position explain 29.44% of the variability in Belenenses' general attack, indicating the effectiveness of breakthrough plays in their offensive tactics (p-value = 0.002851). This statistic highlights the impact of strategic positioning and execution in generating scoring chances.

C.F. OS BELENENSES

OVERALL DEFENSE



Shots Conceded	1,345
Goals Conceded	831
xGA	849
Shots On Target Conc.	1,107
Shots Off Target Conc.	238
GK Saves	276
Gk Eff. (%)	0.254
Opp. Field Eff. (%)	0.597
Opp. 7M Eff. (%)	0.763

- Points obtained per game explain 57.93% of the variability in Belenenses' defensive outcomes, highlighting a strong correlation between points gained and defensive effectiveness (p-value = 0.000003). This metric underscores the team's ability to secure points as a crucial factor in their defensive solidity.
- Shots conceded from the 9-meter line in the central zone explain 34.12% of the variability in Belenenses' defensive performance, indicating challenges faced in defending against central zone attacks (p-value = 0.001101). This statistic reflects the team's defensive strategy against specific types of attacks.
- Turnovers contribute 43.69% to the variability in Belenenses' defensive outcomes against opponent fastbreaks, emphasizing the importance of minimizing turnovers to prevent quick transition goals (p-value = 0.000129). This statistic highlights the impact of defensive errors on conceding goals.

PÓVOA A.C.

OVERALL ATTACK

GAME PACE
52.29

W	D	L
6	3	19

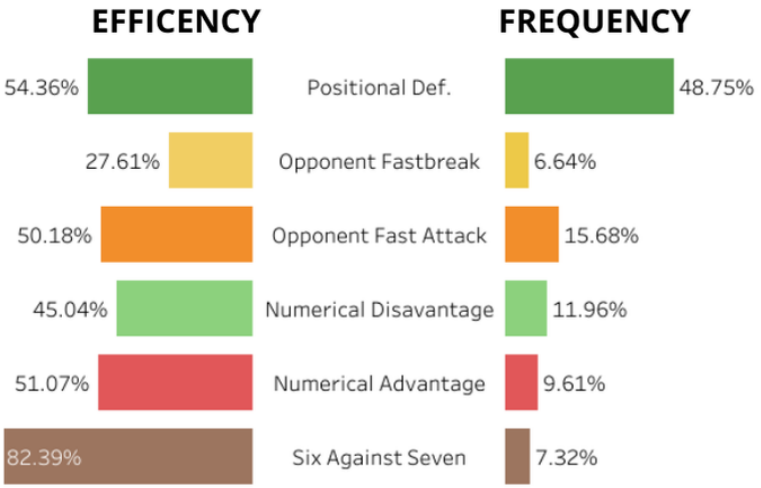
EFFICENCY		FREQUENCY
43.89%	Positional Attack	50.00%
66.14%	Fastbreak	5.86%
53.64%	Fast Attack	20.46%
48.36%	Numerical Advantage	10.50%
44.46%	Numerical Disavantage	10.39%
19.89%	Seven Against Six	2.68%

TF	6 [159]	
TO	6 [174]	

Shots	1,222
Goals Scored	684
xG	757
Shots On Target	985
Shots Off Target	237
Saved Shots	301
Field Eff. (%)	0.544
7M Eff. (%)	0.756
Opp. Gk Eff (%)	0.306
Missed Shots (%)	0.192

- Goals from the 6-meter line on the left-side explain 38.94% of the variability in Póvoa's overall attack, highlighting their proficiency in close-range scoring opportunities (p-value = 0.000388). This statistic underscores the importance of strategic positioning and execution near the goal.
- Technical fouls explain 30.79% of the variability in Póvoa's general attack, highlighting the impact of penalties and their effect on offensive strategies (p-value = 0.002179). This metric underscores the team's ability to manage and capitalize on penalty situations.
- Goals scored from positional attacks contribute 24.36% to the variability in Póvoa's attacking performance, indicating their effectiveness in structured offensive plays (p-value = 0.007611). This statistic reflects their ability to create and capitalize on positional advantages.

OVERALL DEFENSE



Shots Conceded	1,224
Goals Conceded	748
xGA	772
Shots On Target Conc.	1,032
Shots Off Target Conc.	192
GK Saves	284
Gk Eff. (%)	0.275
Opp. Field Eff. (%)	0.594
Opp. 7M Eff. (%)	0.712

- Points obtained per game explain 46.34% of the variability in Póvoa's defensive effectiveness, indicating a strong correlation between points gained and defensive solidity (p-value = 0.000067). This metric underscores the team's ability to secure points as a crucial factor in their defensive strategy.
- Opponent's positional attack effectiveness contributes 47.87% to the variability in Póvoa's defensive performance, highlighting challenges faced in defending against structured attacks by opponents (p-value = 0.000045). This statistic reflects the team's defensive strategy against opponent's organized offensive plays.
- Goals conceded in the left wing explain 37.54% of the variability in Póvoa's defensive outcomes against attacks from the left side, emphasizing vulnerabilities in defending against wing attacks (p-value = 0.000528). This statistic highlights areas where defensive improvements may be necessary.

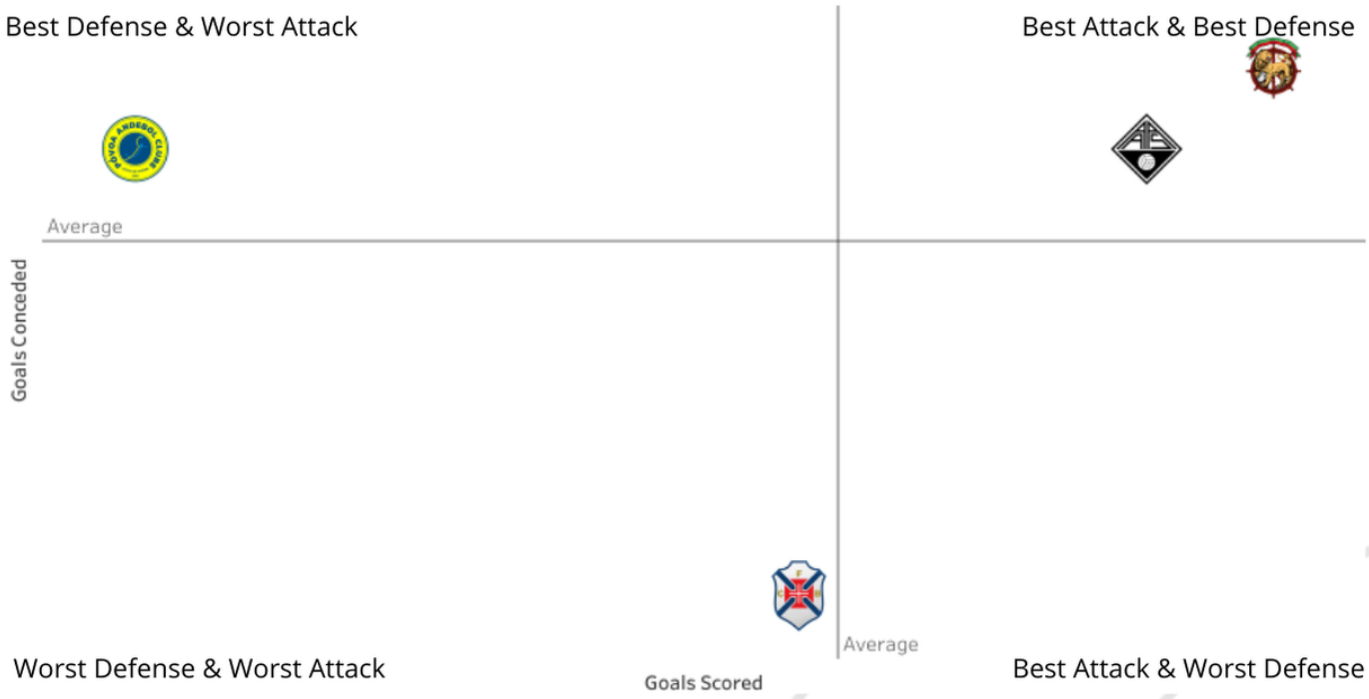
MAIN ROUND II

OUTCOMES & GOAL ANALYSIS

CAMPEONATO PLACARD ANDEBOL 1

TREND

GOALS SCORED Vs. GOALS CONCEDED



MAIN ROUND III

RANKING

	Team	MP	Pts	xPoints	Trend	Team Pace	Gen. Attack	Gen. Defense	GS/xG Ratio	GC/xGA Ratio	TTA
1		6	32	32		54	52%	49%	0.96	0.94	10.83
3		6	31	33		52	58%	55%	0.99	0.86	7.67
RELEGATION 2		6	31	29		50	53%	50%	0.92	0.99	8.33
RELEGATION 4		6	19	24		54	47%	38%	0.93	1.01	10.67

Notes:

- For the Main Round II, the clubs carried over 50% of the points they earned in the Preliminary Round.
- As in the Preliminary Round, each victory is worth 3 points, a draw 2 points, and a loss 1 point.
- The top two teams secure participation in the 2024/2025 Placard League.
- The bottom two teams are relegated to the 2024/2025 Honor Division.

MP - Matches played; Pts - Points; xPoints - Expected Points; GS - Goals Scored; xG - Expected Goals; GC - Goals Conceded; xGA - Expected Goals Allowed; TTA - Technical Turnover Average

VITÓRIA S.C.

OVERALL ATTACK

GAME PACE
55.75

EFFICENCY		FREQUENCY
42.64%	Positional Attack	56.00%
78.54%	Fastbreak	8.11%
51.29%	Fast Attack	17.61%
54.89%	Numerical Advantage	9.39%
28.64%	Numerical Disavantage	7.11%
2.96%	Seven Against Six	1.86%

TF	5	[131]
TO	8	[214]

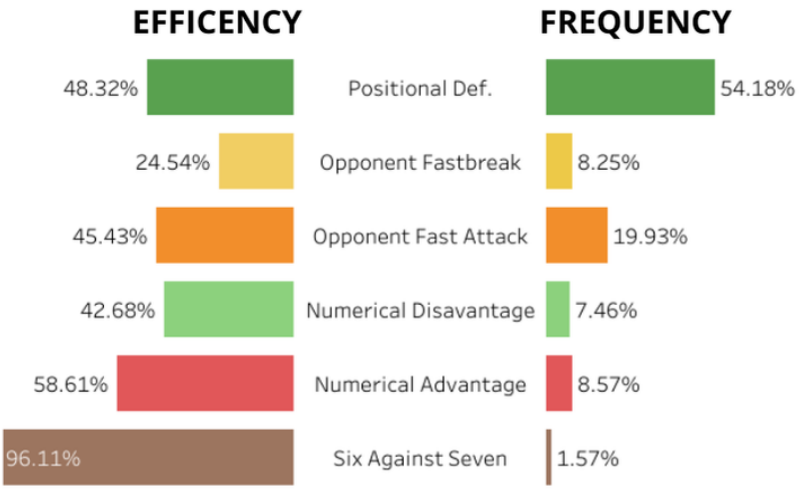
W	D	L
9	4	15

Shots	1,305
Goals Scored	740
xG	834
Shots On Target	1,061
Shots Off Target	244
Saved Shots	321
Field Eff. (%)	0.558
7M Eff. (%)	0.702
Opp. Gk Eff (%)	0.303
Missed Shots (%)	0.183

- Points obtained per game are significantly influenced by shooting effectiveness, which explains 48.41% of the variability in overall performance. This underscores the critical impact of converting shot opportunities on achieving points and victories (p-value = 0.000039).
- Goals from breakthroughs in the central zone account for 44.67% of the variability in positional attack effectiveness. This highlights the importance of central breakthroughs in structured offensive plays (p-value = 0.000101).
- Goals from fast attacks are highly dependent on the frequency of fast attacks, contributing 57.44% to the variability in fast attack goal performance. This demonstrates the significant role of frequent quick transitions in achieving goals through fast attacks (p-value = 0.000003).

VITÓRIA S.C.

OVERALL DEFENSE



Shots Conceded	1,356
Goals Conceded	855
xGA	860
Shots On Target Conc.	1,148
Shots Off Target Conc.	208
GK Saves	293
Gk Eff. (%)	0.258
Opp. Field Eff. (%)	0.613
Opp. 7M Eff. (%)	0.782

- Goals conceded from pivot plays in the central zone explain 29.92% of the variability in general defensive performance. This highlights the challenges in defending against central pivot plays (p-value = 0.002594).
- he effectiveness of the opponent's positional attack is significantly related to Vitória SC's general defense, accounting for 41.44% of the variability in defensive effectiveness. This indicates a strong relationship between the team's overall defensive capabilities and the effectiveness of the opponent's structured offensive plays (p-value = 0.000219).
- The number of fast breaks by the opponent contributes 50.51% to the variability in goals conceded by Vitória SC, highlighting the significant impact of opponent's quick transitions on the team's defense (p-value = 0.000023).

A.A. AVANCA

OVERALL ATTACK

GAME PACE
54.25

EFFICENCY		FREQUENCY
45.07%	Positional Attack	44.79%
68.07%	Fastbreak	7.46%
53.71%	Fast Attack	18.04%
60.39%	Numerical Advantage	10.71%
39.68%	Numerical Disavantage	12.36%
32.46%	Seven Against Six	6.93%

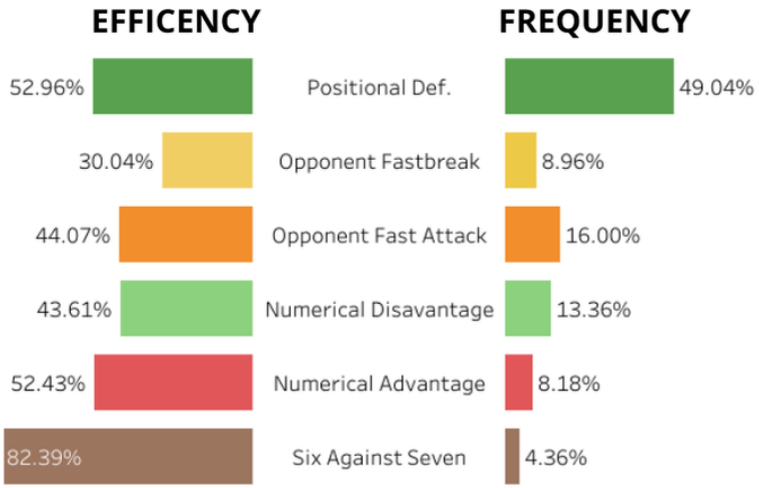
	W	D	L
	7	4	17

TF	4 [125]	
TO	8 [217]	
Shots		1,276
Goals Scored		773
xG		826
Shots On Target		1,078
Shots Off Target		198
Saved Shots		305
Field Eff. (%)		0.588
7M Eff. (%)		0.751
Opp. Gk Eff (%)		0.284
Missed Shots (%)		0.154

- Points obtained per game are significantly influenced by turnovers, explaining 37.23% of the variability in performance. This indicates the crucial impact of minimizing turnovers on achieving points (p-value = 0.000565).
- The effectiveness of fast attacks contributes 45.79% to the variability in general attack performance. This underscores the importance of leveraging quick offensive plays in overall attacking strategies (p-value = 0.000077).
- Goals scored significantly affect fast attack performance, accounting for 33.10% of the variability. This highlights the role of efficient goal-scoring in enhancing the effectiveness of fast attacks (p-value = 0.001361).

A.A. AVANCA

OVERALL DEFENSE



Shots Conceded	1,260
Goals Conceded	806
xGA	811
Shots On Target Conc.	1,097
Shots Off Target Conc.	163
GK Saves	291
Gk Eff. (%)	0.269
Opp. Field Eff. (%)	0.620
Opp. 7M Eff. (%)	0.744

- The effectiveness of the opponent's positional attack explains 44.17% of the variability in Avanca's general defense. This reflects a significant impact of how well the opponent executes their positional plays on Avanca's defensive performance (p-value = 0.000115).
- Goals from breakthroughs in the left-central zone account for 30.63% of the variability in goals conceded during opponent's positional attacks. This emphasizes the challenge of defending against breakthrough attempts in this specific area (p-value = 0.002250).
- The number of goals conceded from the opponent's fast attacks significantly contributes to 42.26% of the variability in total goals conceded. This underscores the impact of opponent's rapid offensive actions on Avanca's defense (p-value = 0.000181).

F.C. GAIA

OVERALL ATTACK

GAME PACE
52.50

EFFICENCY		FREQUENCY
44.89%	Positional Attack	60.43%
71.79%	Fastbreak	6.86%
51.04%	Fast Attack	13.00%
55.64%	Numerical Advantage	10.25%
51.43%	Numerical Disavantage	8.14%
3.43%	Seven Against Six	1.14%

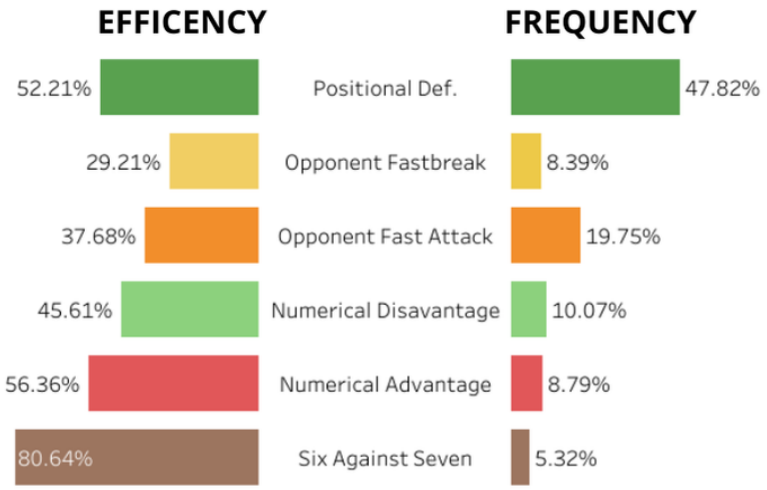
TF	4	[107]
TO	6	[175]

W	D	L
9	2	17

Shots	1,254
Goals Scored	697
xG	776
Shots On Target	1,023
Shots Off Target	231
Saved Shots	326
Field Eff. (%)	0.544
7M Eff. (%)	0.743
Opp. Gk Eff (%)	0.317
Missed Shots (%)	0.182

- Turnovers significantly influence general attack performance, accounting for 33.74% of the variability. This highlights how crucial ball control and minimizing turnovers are for maintaining an effective attack (p-value = 0.001191).
- Goals scored from 6 meters contribute 29.59% to the variability in positional attack performance. This underscores the importance of scoring efficiency from close-range opportunities in structured offensive plays (p-value = 0.002773).
- Fast attack goals significantly affect the total goals scored, explaining 34.88% of the variability. This emphasizes the key role of quick transitions and scoring from fast attacks in increasing the team's overall goal tally (p-value = 0.000938).

OVERALL DEFENSE



Shots Conceded	1,204
Goals Conceded	796
xGA	776
Shots On Target Conc.	1,031
Shots Off Target Conc.	173
GK Saves	235
Gk Eff. (%)	0.235
Opp. Field Eff. (%)	0.636
Opp. 7M Eff. (%)	0.839

- The overall defensive performance significantly influences the points obtained per game, explaining 54.36% of the variability. This indicates the crucial role of general defense in securing points and contributing to overall team success (p-value = 0.000008).
- The number of saves made significantly affects general defense performance, accounting for 52.22% of the variability. This highlights the critical importance of effective goalkeeping in strengthening FC Gaia's defensive capabilities (p-value = 0.000014).
- General defense performance explains 25.20% of the variability in the effectiveness of the opponent's positional attack. This underscores the impact of defensive quality on limiting the opponent's efficiency in structured offensive plays (p-value = 0.006492)

VITÓRIA F.C.

OVERALL ATTACK

GAME PACE
56.54

W	D	L
1	2	25

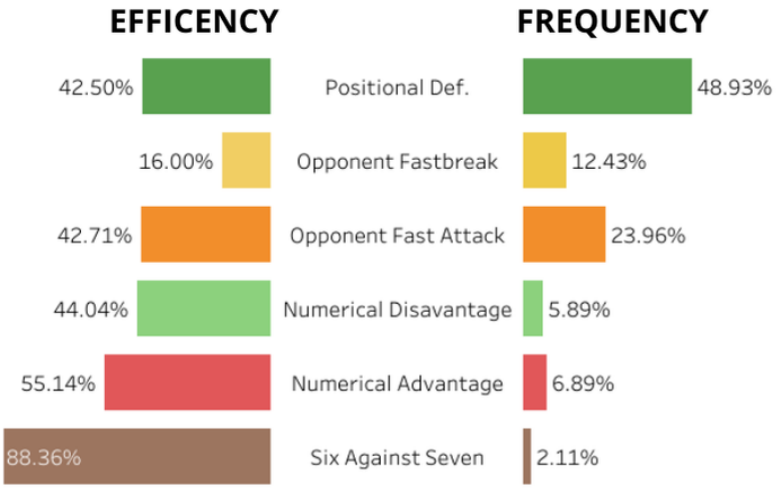
EFFICENCY		FREQUENCY
41.46%	Positional Attack	64.64%
59.21%	Fastbreak	4.46%
51.25%	Fast Attack	14.79%
52.14%	Numerical Advantage	7.68%
42.93%	Numerical Disavantage	5.11%
11.14%	Seven Against Six	3.64%

TF	3	[91]
TO	9	[250]

Shots	1,305
Goals Scored	697
xG	793
Shots On Target	1,050
Shots Off Target	255
Saved Shots	353
Field Eff. (%)	0.505
7M Eff. (%)	0.723
Opp. Gk Eff (%)	0.356
Missed Shots (%)	0.203

- Superiority effectiveness significantly influences general attack performance, explaining 43.37% of the variability. This highlights the team's ability to capitalize on numerical advantages to enhance their attacking play (p-value = 0.000139).
- Goals scored from 6 meters on the left side contribute 30.39% to the variability in positional attack performance. This emphasizes the importance of left-side attacks and scoring efficiency from close-range opportunities (p-value = 0.002360).
- Positional attacks significantly affect the total goals scored, explaining 45.77% of the variability. This indicates the effectiveness of structured attacks in increasing the team's overall goal tally (p-value = 0.000077).

OVERALL DEFENSE



Shots Conceded	1,389
Goals Conceded	937
xGA	911
Shots On Target Conc.	1,187
Shots Off Target Conc.	202
GK Saves	250
Gk Eff. (%)	0.212
Opp. Field Eff. (%)	0.665
Opp. 7M Eff. (%)	0.723

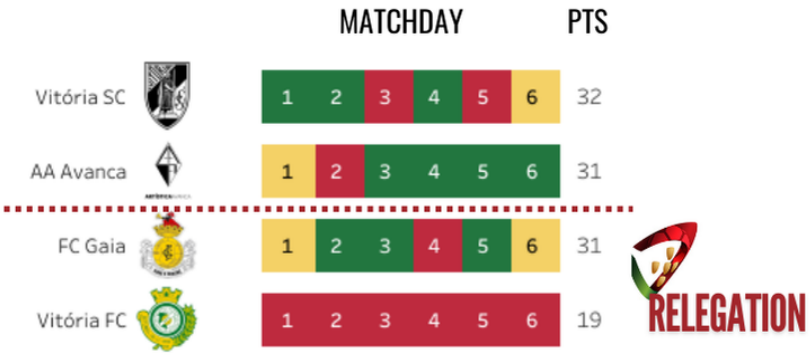
- The team's defensive performance against opponent's positional attacks explains 34.96% of the variability (p-value = 0.000922).
- The impact of goals conceded due to opponent's fast breaks is significant, contributing 41.25% to the variability (p-value = 0.000229). This statistic reflects Vitória FC's vulnerability in transitions, suggesting opportunities for improvement in defensive transitions and counter-pressing to mitigate rapid attacking plays from opposing teams.
- The combined effect of the total number of fast attacks by the opponent and turnovers committed by Vitória FC during their attacks explains 53.12% of the variability (p-value = 0.000011). This dual metric indicates Vitória FC's challenges in both preventing fast breaks by opponents and minimizing turnovers during their own offensive phases. Addressing these areas could enhance defensive stability and reduce the likelihood of conceding goals in transition.

MAIN ROUND III

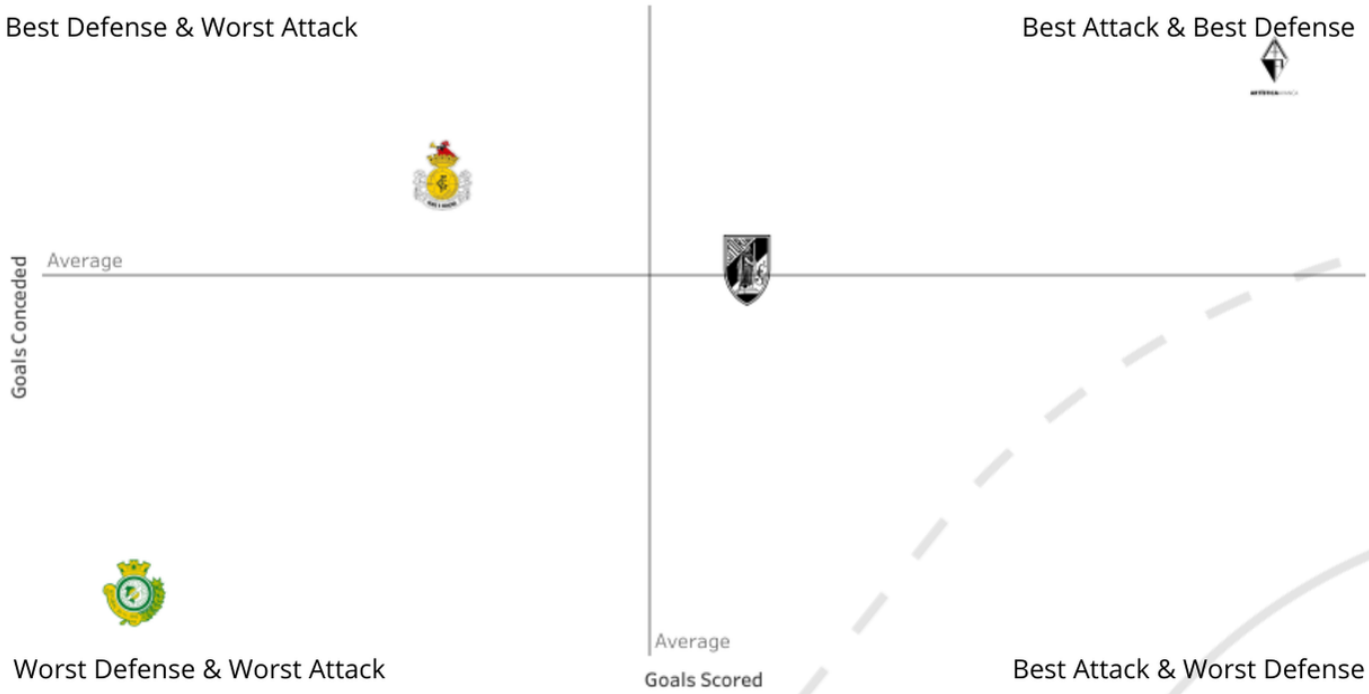
OUTCOMES & GOAL ANALYSIS

CAMPEONATO PLACARD ANDEBOL 1

TREND



GOALS SCORED Vs. GOALS CONCEDED



LIMITATIONS

The study analyzed all 150 games of the 2023/2024 Placard League, with the evaluations being conducted solely by the author. Although the data collection method used was simple, it allowed for a quick analysis of all the games. However, this introduces a potential bias, as having only one evaluator might affect the consistency and objectivity of the assessments.

The study only accounted for collective team analyses, whereas incorporating individual player analyses would have added valuable insights. This approach could help in understanding the impact of individual performances on the overall team dynamics and outcomes.

Additionally, the study should have included the temporal period throughout each match to obtain more concrete data on specific situations occurring during the games. This would allow for a more detailed understanding of critical moments and how they influence the game's outcome.

Another limitation is the lack of longitudinal data. Analyzing the games over multiple seasons would provide a more comprehensive understanding of trends and patterns. Also, the study could benefit from including more qualitative data, such as interviews with players and coaches, to complement the quantitative analysis.

Future research should consider using multiple evaluators to enhance the reliability of the data. It would also be beneficial to integrate advanced statistical methods and technologies, such as video analysis software, to provide deeper insights into the games. Including these elements would help address the limitations of the current study and contribute to a more robust understanding of the factors influencing team performance in the Placard League.

CONCLUSIONS

The 2023/2024 Placard League was undoubtedly thrilling, with the title race, European competition qualifications, and league survival all being decided in the final moments. Over the course of 150 games, the league showcased a dynamic and competitive environment.

The analysis revealed an average game pace of 55.13, with a total of 15,799 shots on goal, 9,721 goals scored, and 3,585 saves made by the goalkeepers. These statistics highlight the intensity and high level of performance exhibited throughout the season.

In terms of specific statistical data, Sporting C.P. was clearly the dominant team across nearly all metrics. They finished with the best attack, best defense, best General Attack, best General Defense, best Positional Attack, best Fast Attack, best fastbreak, highest shooting efficiency, best general defense, best defensive recovery, highest game pace, and best goalkeeper efficiency. The only area where they were surpassed was in the 7-meter throw efficiency, where Águas Santas excelled.

Statistical Insights

The regression analysis revealed several significant relationships:

- Game Pace and Shots: There is a strong correlation (R^2 = 0.729754, $p < 0.000001$) between game pace and the number of shots taken, indicating that faster-paced games tend to have more attempts on goal. This suggests that teams aiming for a higher game pace might increase their offensive output.

- Points and Defensive Efficiency: Points earned per game are significantly influenced by overall defensive efficiency (R^2 = 0.613898, $p < 0.000001$). This highlights the importance of solid defensive strategies in achieving better results, suggesting that teams should prioritize defensive training to maximize points.
- 7 vs. 6 Strategy: The frequency of utilizing the 7 vs. 6 strategy also impacts points earned (R^2 = 0.427351, $p = 0.000162$). This suggests that effective use of this tactic can lead to better scoring opportunities and ultimately more points.
- Goals Conceded in Central Areas: Goals conceded at six meters in the central zone significantly affect points (R^2 = 0.455652, $p = 0.000081$). This indicates that teams should focus on minimizing vulnerabilities in central defensive positions to enhance their overall performance.

In conclusion, the season was marked by excitement and close competition, underscoring the skill and determination of the teams involved. Sporting C.P.'s dominance in various aspects of the game was particularly noteworthy. The data collected provides valuable insights into the overall pace and outcomes of the games, offering a solid foundation for future analyses and improvements in the league. The findings from the regression analyses can serve as practical recommendations for teams looking to enhance their strategies and performance in future seasons.

IN-DEPTH INSIGHTS FROM 150 MATCHES 2023-2024 PLACARD LEAGUE DETAILED ANALYSIS OF TEAM PERFORMANCE AND KEY STATISTICS

In this ebook, Mário César Navarro shares his experiences and insights on game analysis in handball, providing valuable tools for coaches and athletes. Discover how the use of data can transform performance on the court.

about the autor

Mário César Navarro is an experienced handball coach with over 15 years in the field. He is an exercise physiologist, data analyst, EHF Master Coach, and EHF Expert, specializing in game analysis and Big Data in sports.

To learn more, visit: mariocesar.navarro.pt or follow on social media: LinkedIn, Twitter.